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ENEGATE HEMS

(Home Energy Management System)

For Tablet (Android 4.0 or higher)

User's Manual

Ver. 2.0 Apr. 15, 2015

ENEGATE

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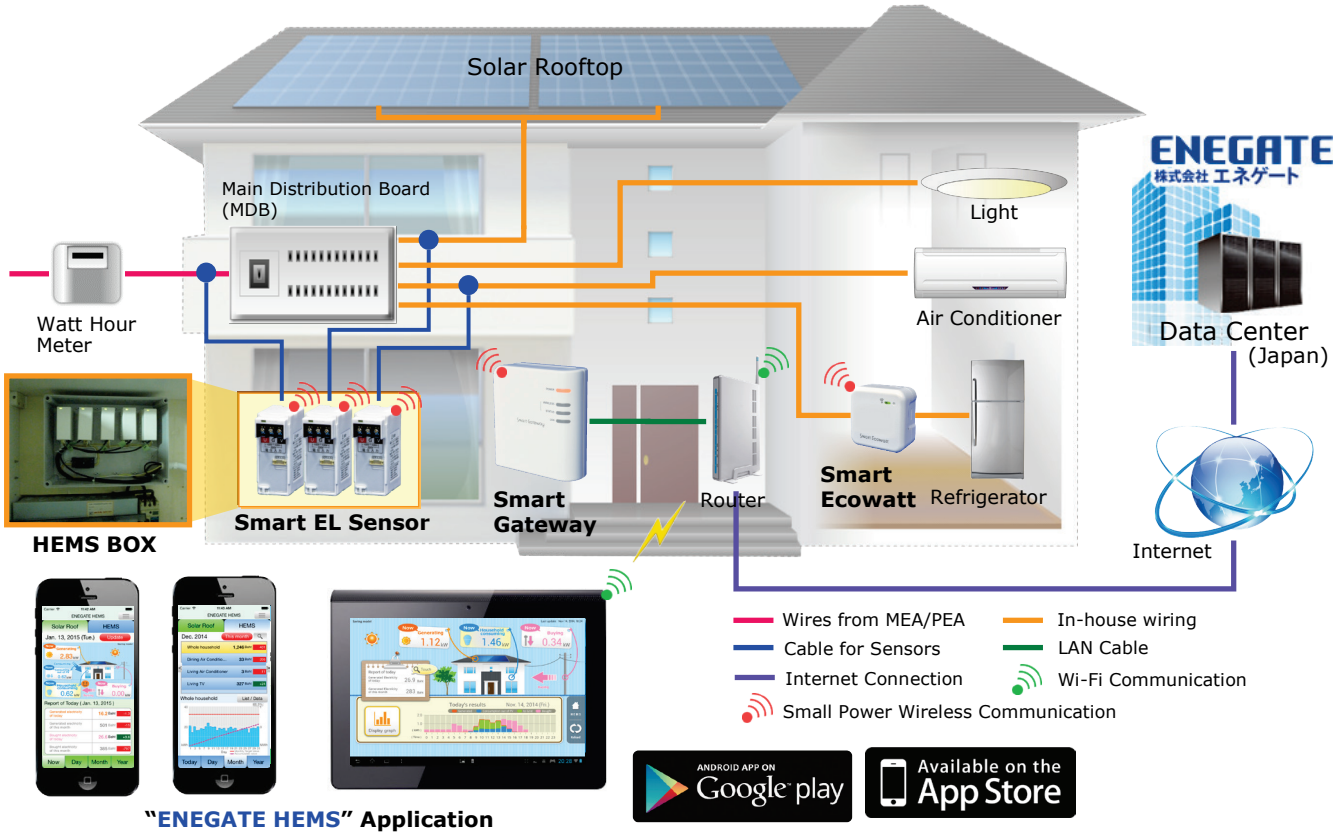
Preface

This quick reference guide provides useful information about basic usage of ENEGATE HEMS and trouble shootings.



Terms of Use

ENEGATE HEMS app only applies to ENEGATE HEMS.

ENEGATE HEMS app can be installed to the tablet with;

OS:	Android 4.0 or higher spec OS
Size of the screen:	From 7 inches to 10 inches
Resolution:	800x1280, 1200x1920 or 1600x2560

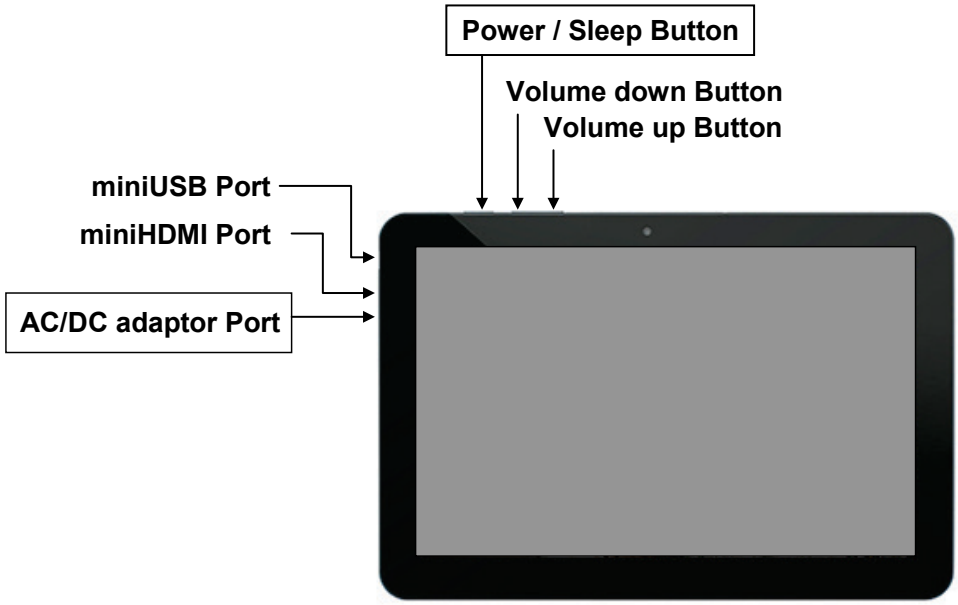
NOTE : ENEGATE HEMS app will be revised without prior notification.

1. Turning on your HEMS tablet

** This section is for the tablet which is supported by ENEGATE.
If not, please confirm the user's manual of your tablet.

Procedure

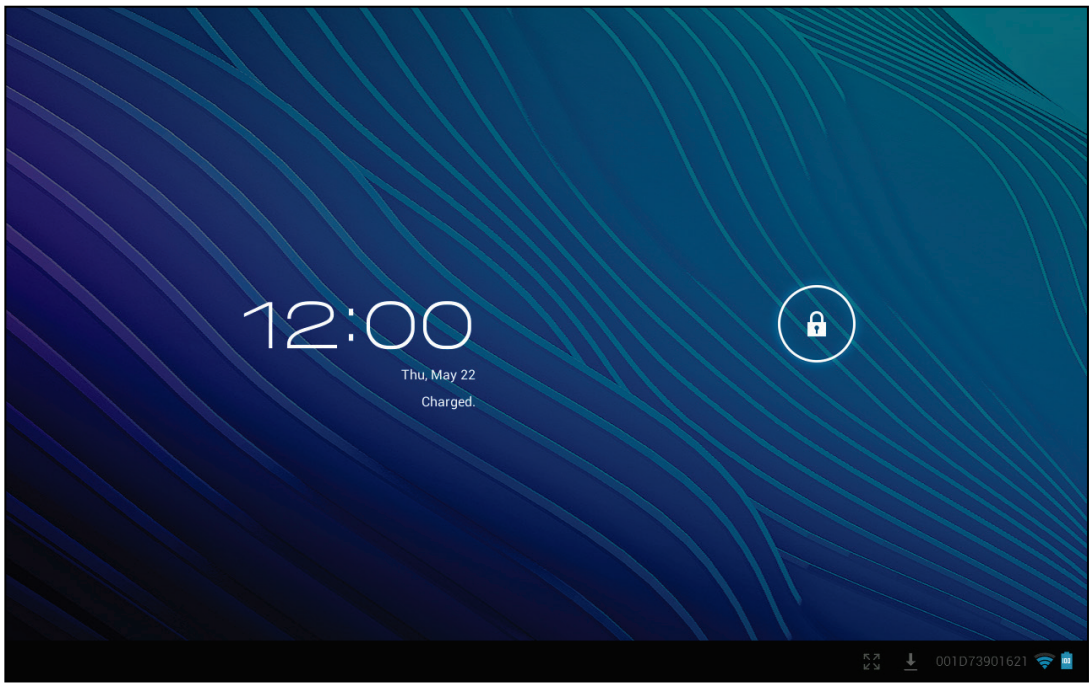
[1] Press and hold Power/Sleep Button for 4 seconds.



[2] The initial screen below will be displayed.

In case the initial screen is NOT displayed → go to page 6 of this guide.

[Initial Screen]



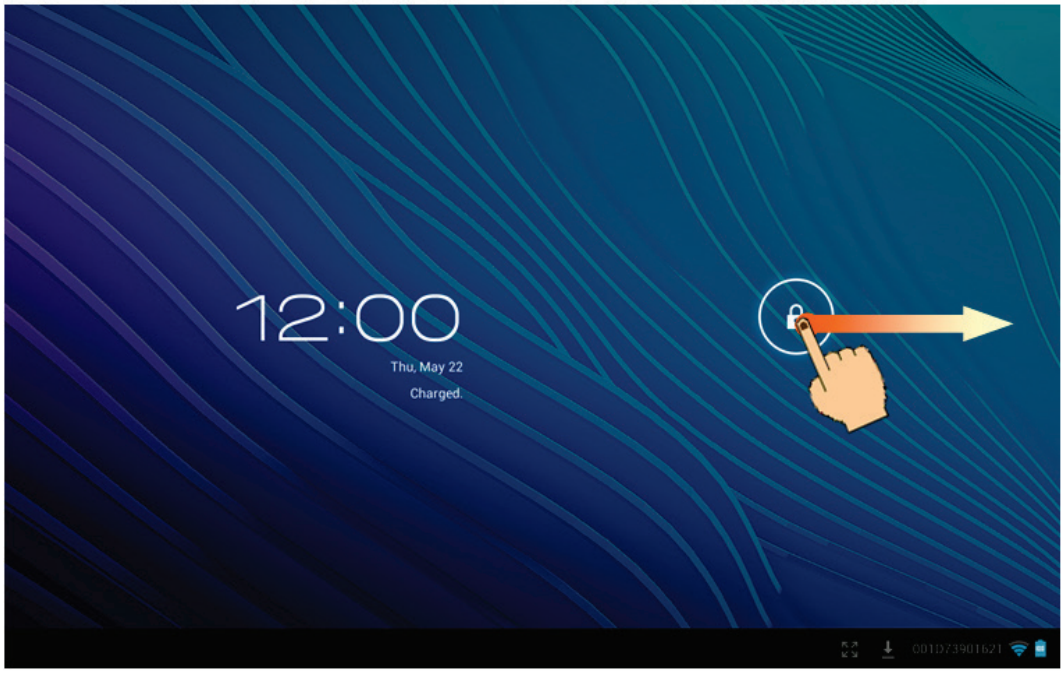
2. Starting HEMS display

** This section is for the tablet which is supported by ENEGATE.
If not, please confirm the user's manual of your tablet.

procedure

[1] Swipe the key mark of the Initial Screen as below.

[Initial Screen]



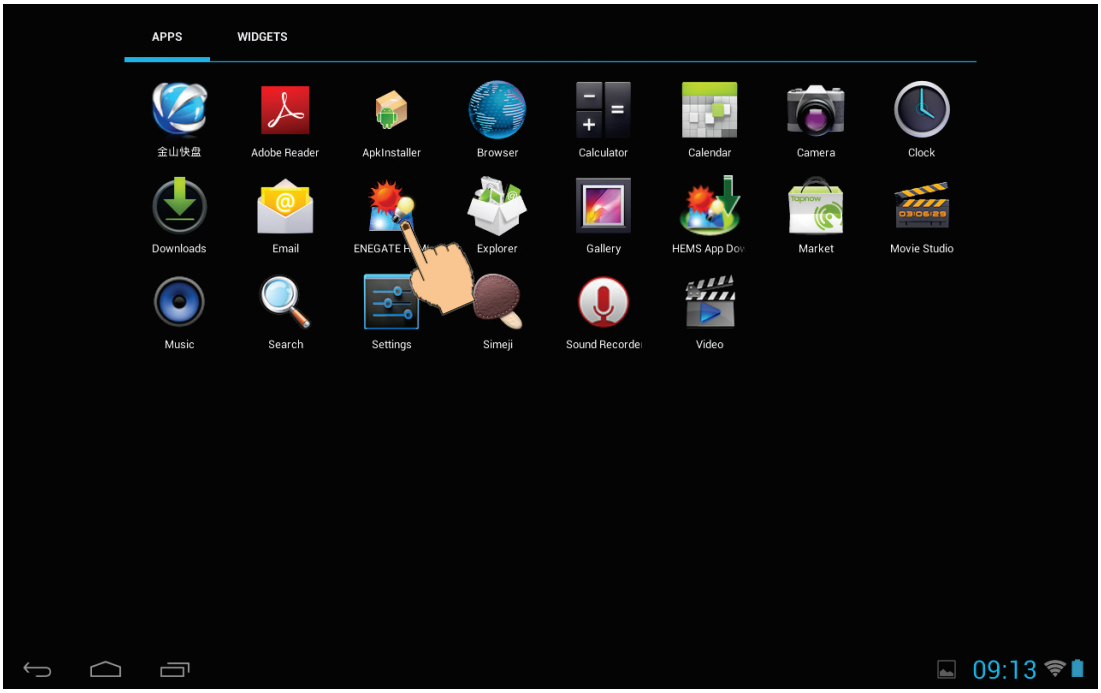
[2] The Home Screen will be appeared. Tap App Button as below.

[Home Screen]

2. Starting HEMS display

[3] The Apps Screen will be appeared. Tap the icon “ENEGATE HEMS” as below.

[Apps Screen]



[4] The initial HEMS screen will be appeared.

[HEMS-1]

3. Overview of the HEMS screen display

Please see page 8 to 11 for operating HEMS screen display.

Task Button
Refer to page 14.

Home Button
Tap Home Button to display the **Home Screen**.

Back Button
Tap Back Button to display the previous screen.

Battery remaining level

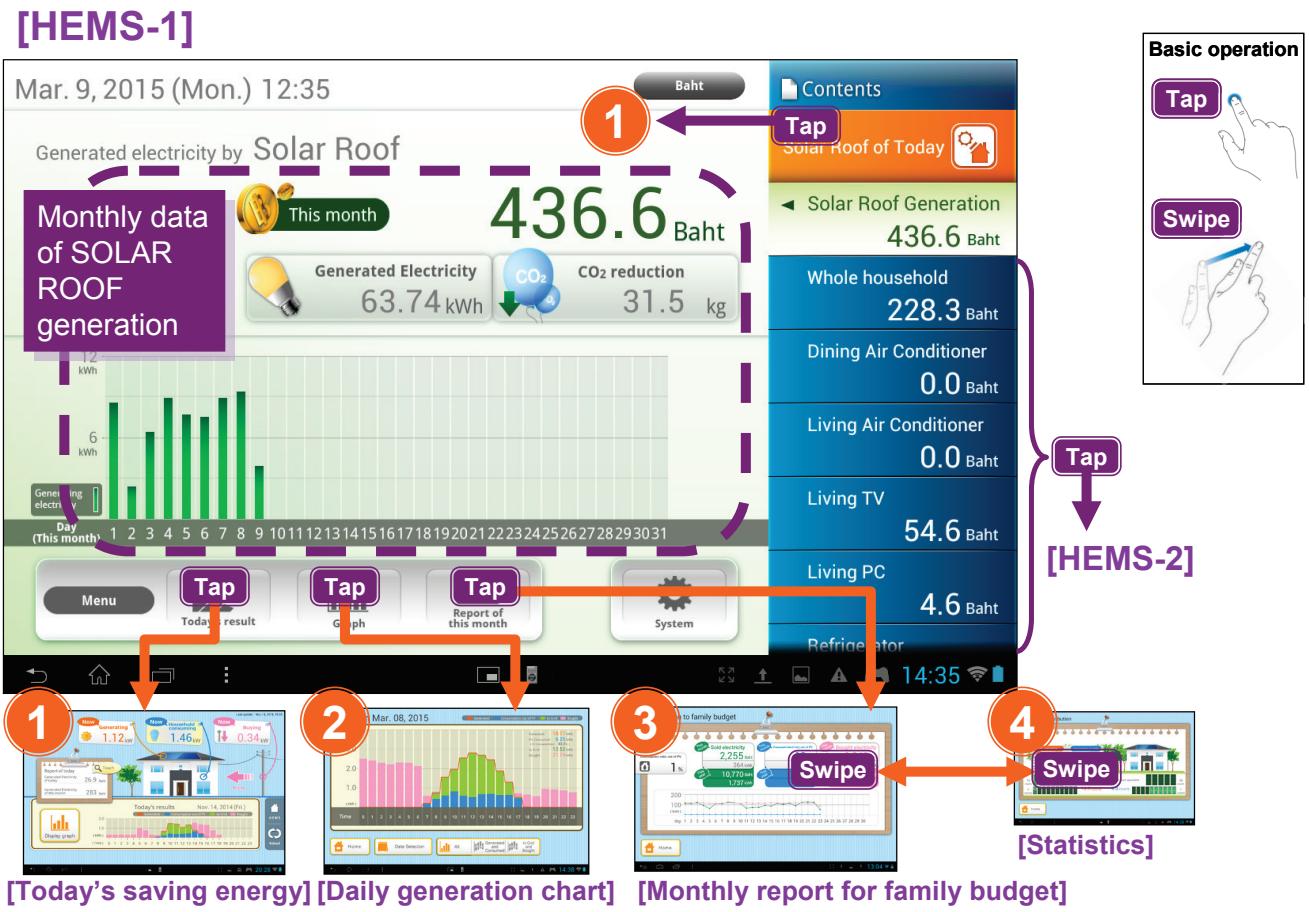
WiFi connection and radio level

4. Operating the HEMS screen display

Procedure

Tap the HEMS screen display as below to show the display you want.

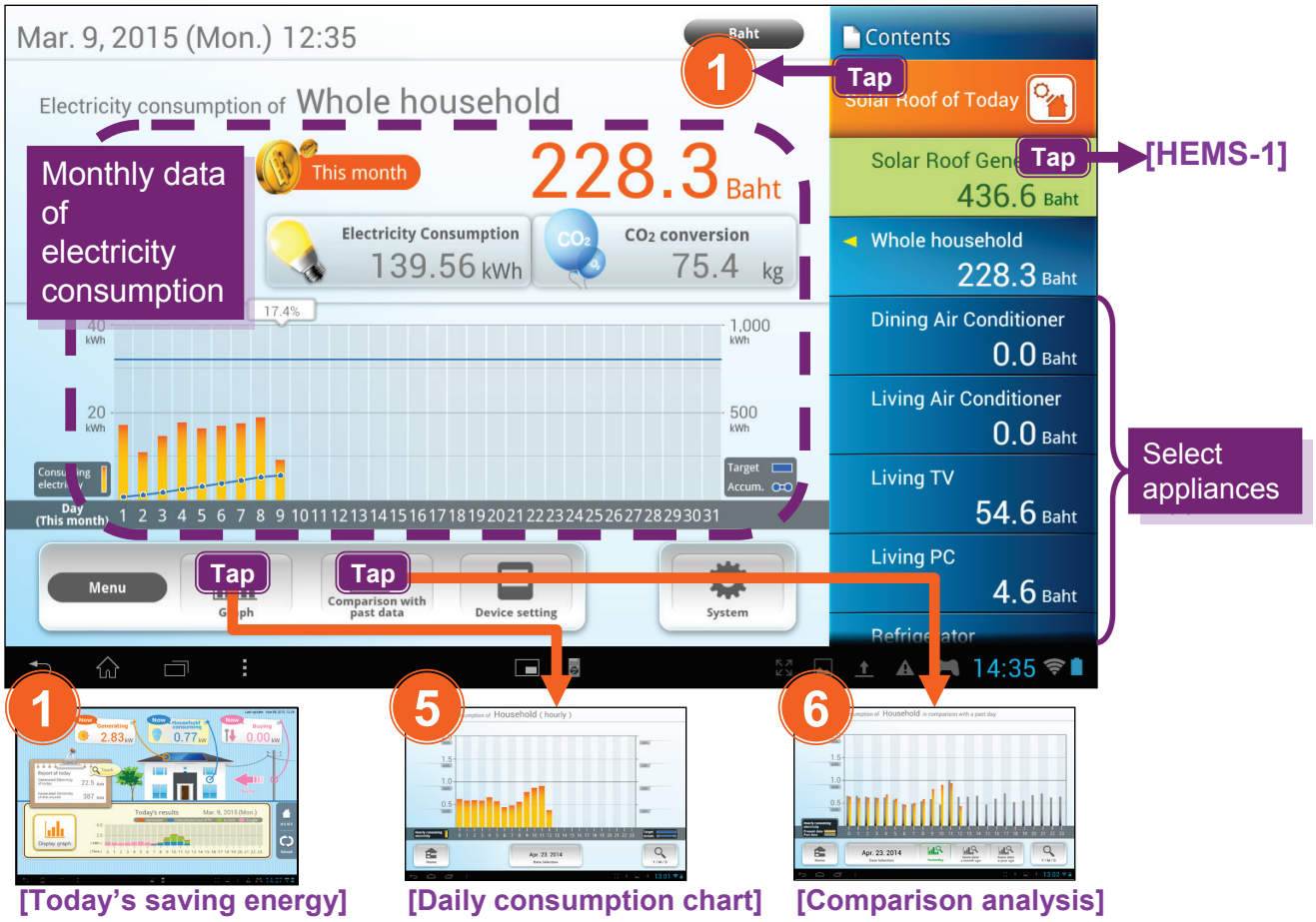
HEMS-1 mainly shows the solar roof generation.



4. Operating the HEMS screen display

HEMS-2 mainly shows the household electricity consumption.

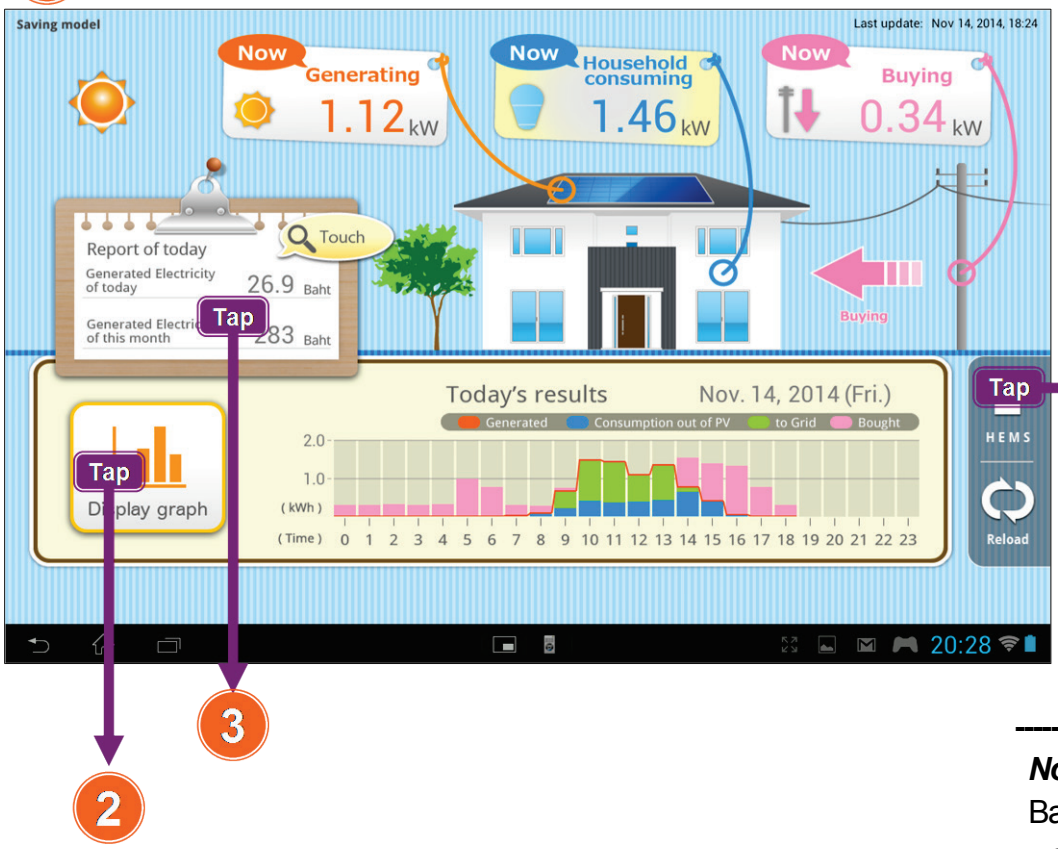
[HEMS-2]



4. Operating the HEMS screen display

(for Saving model)

1 [Today's saving energy]



Tap → [HEMS-1]

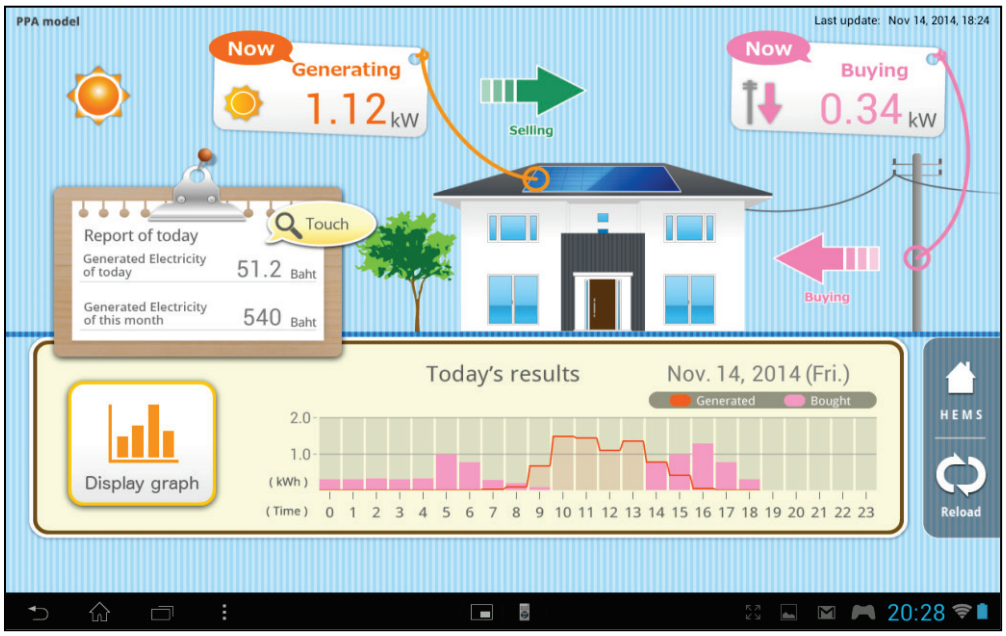
2

3

Note

Back Button doesn't work on this screen.

(for PPA model [Selling model])

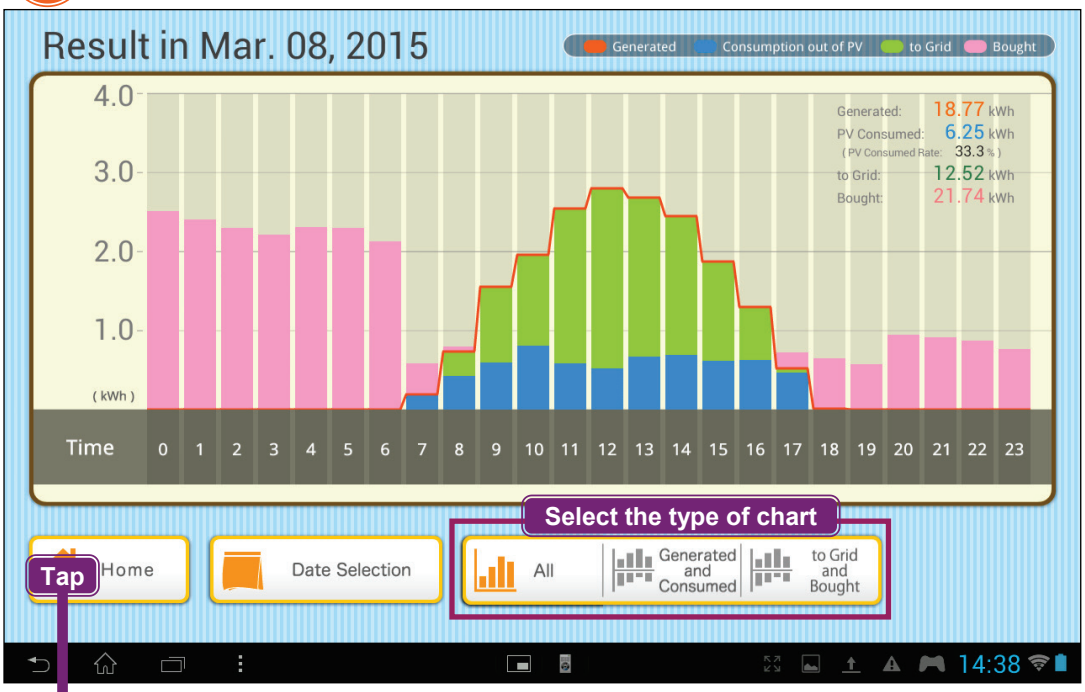


** This screen is not displayed 'Household consuming'.

4. Operating the HEMS screen display

(for Saving model)

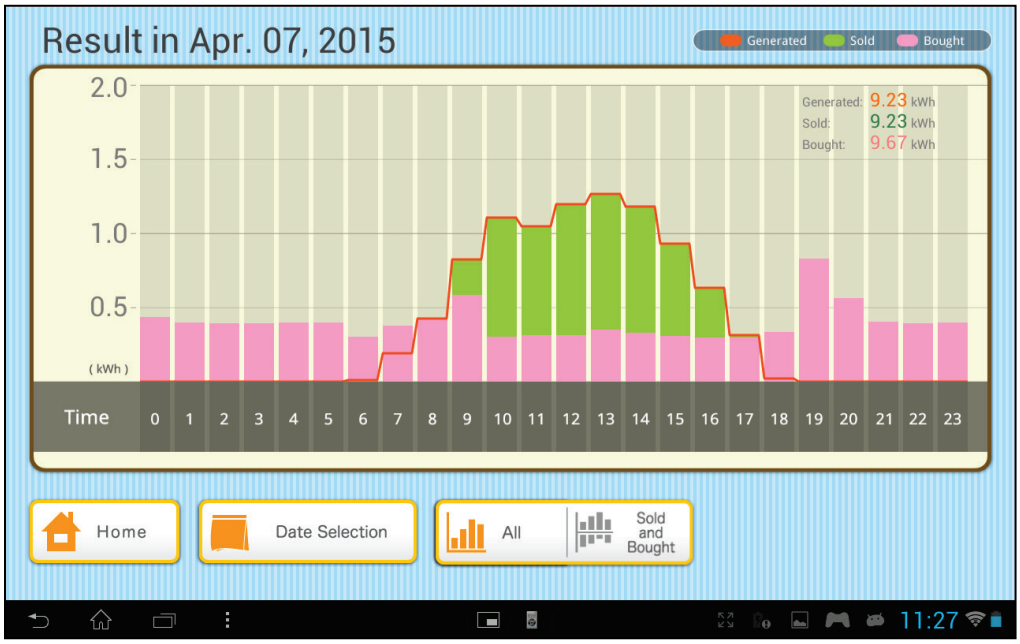
2 [Daily generation chart]



Back to the previous screen

If you want to see another day's chart:
You should swipe the chart on the display or select the date through tapping 'Data Selection' button.

(for PPA model [Selling model])

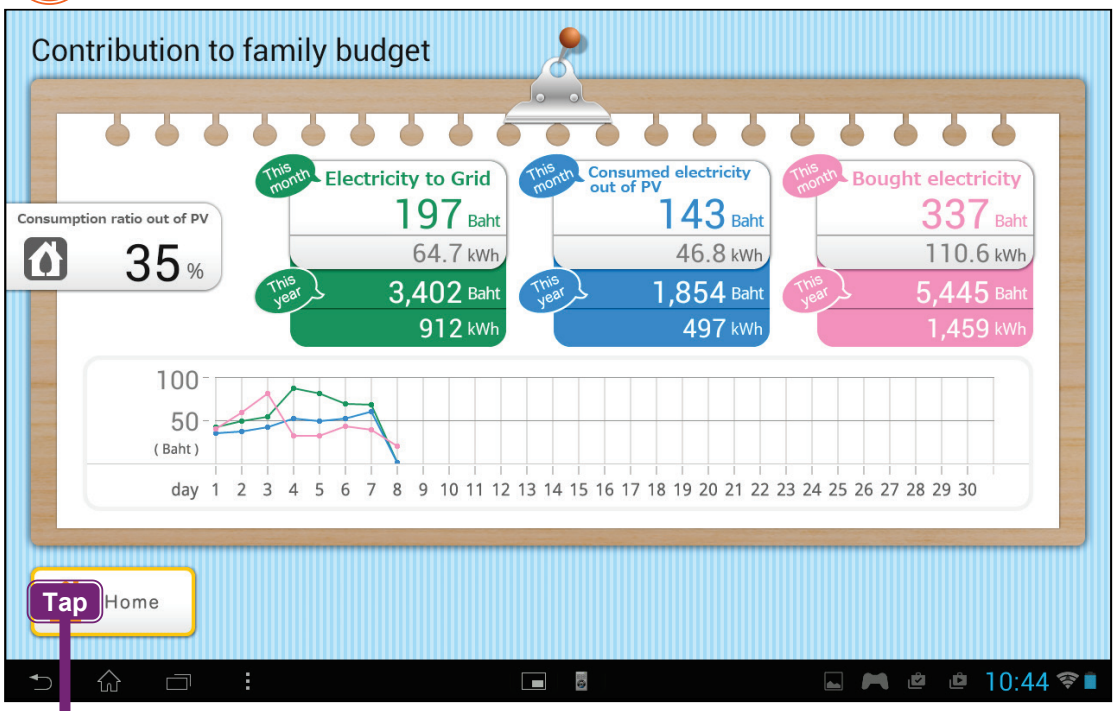


** This screen is not displayed 'Household consumed' electricity.

4. Operating the HEMS screen display

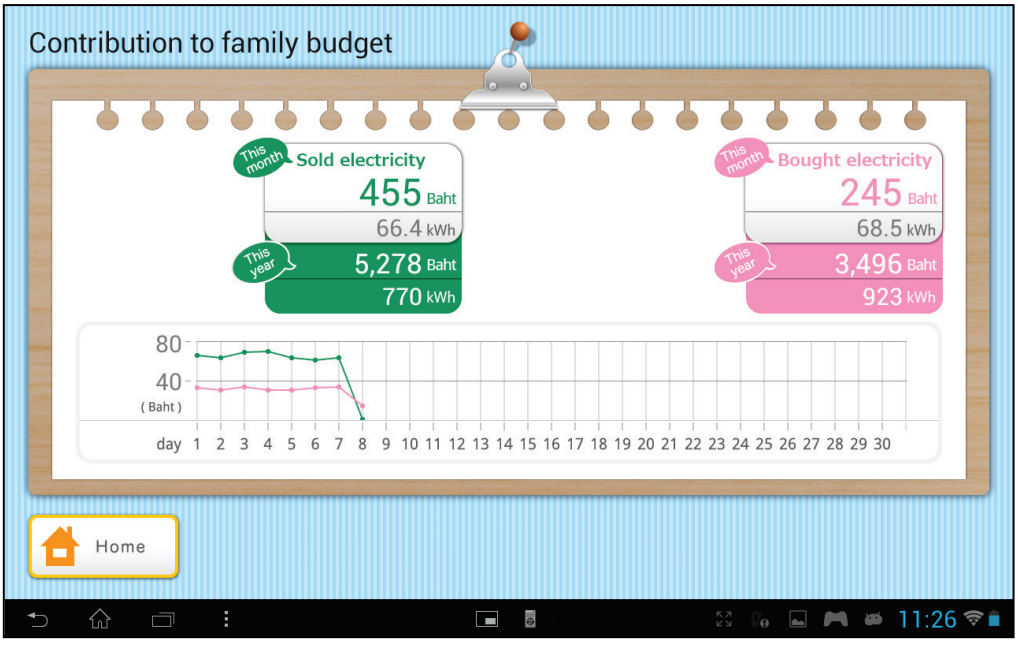
(for Saving model)

3 [Monthly report for family budget]



Back to the previous screen

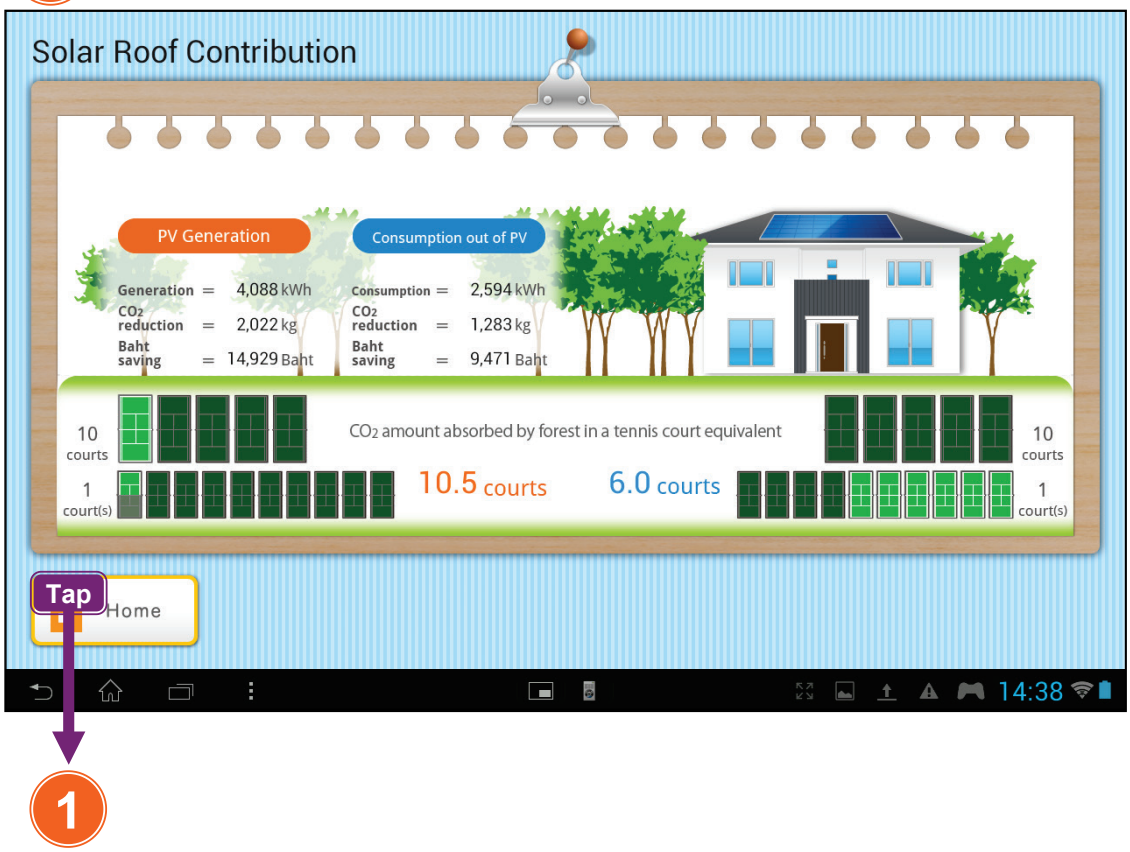
(for PPA model [Selling model])



** This screen is not displayed 'Consumed electricity out of PV'.

4. Operating the HEMS screen display

4 [Statistics]

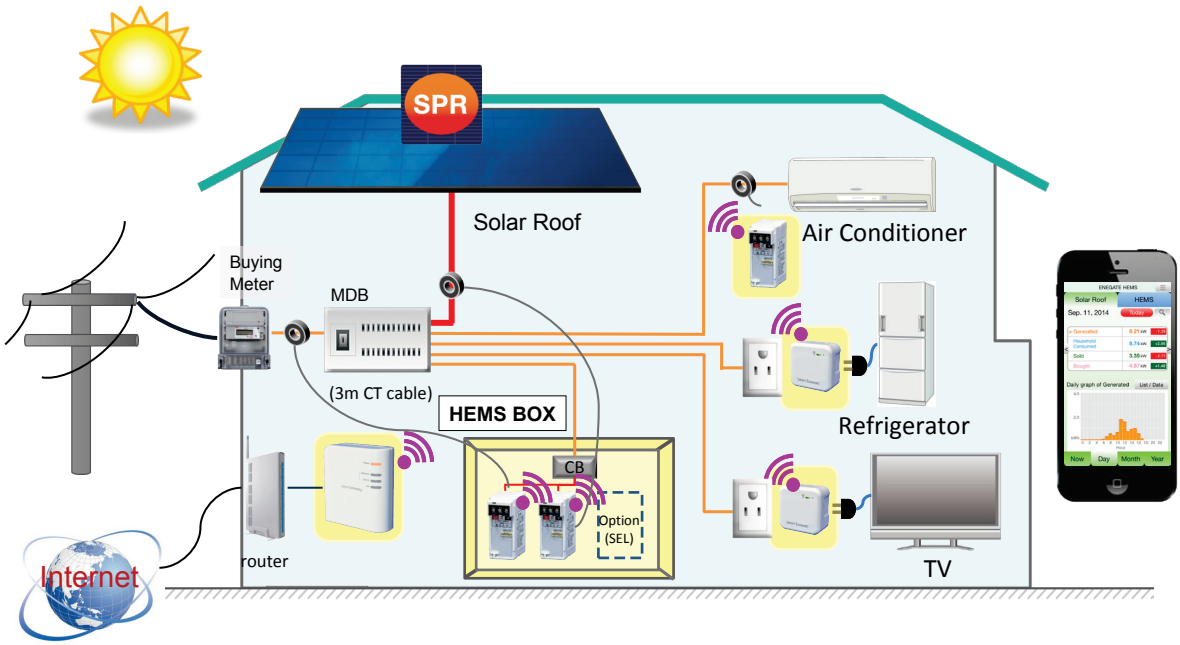


1

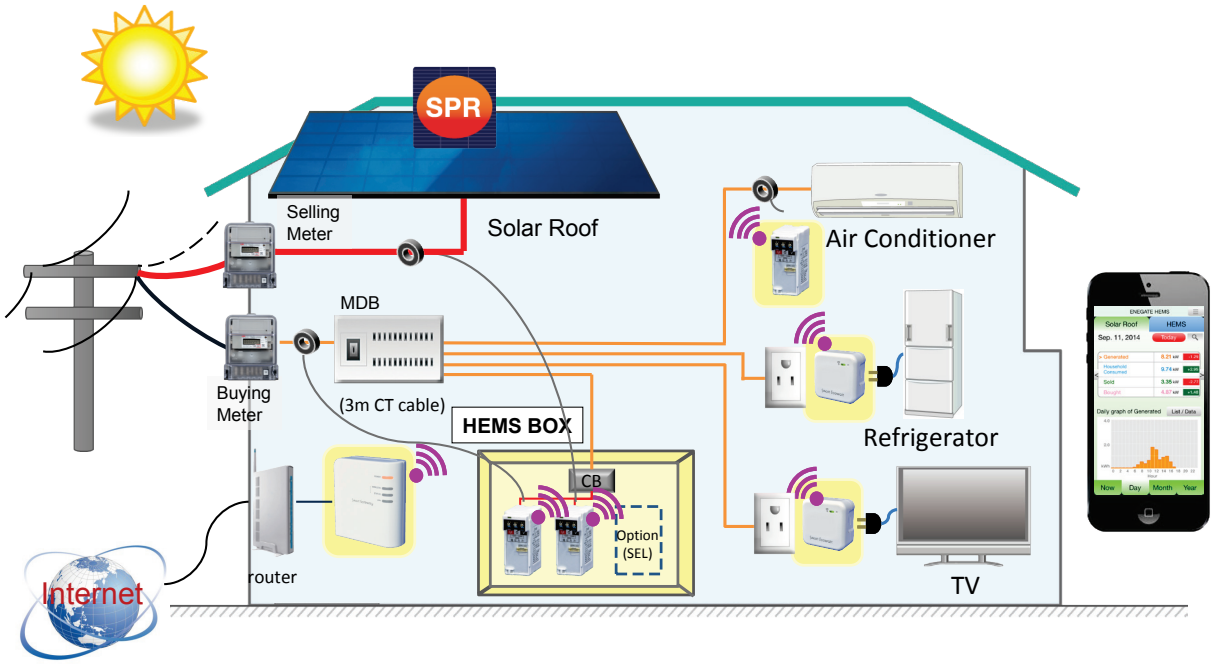
"Saving Model" and "PPA Model"

ENEGATE HEMS supports two models: **“Saving Model”** and **“PPA model”**.

"**Saving Model**" is to save the electricity with PV generation.

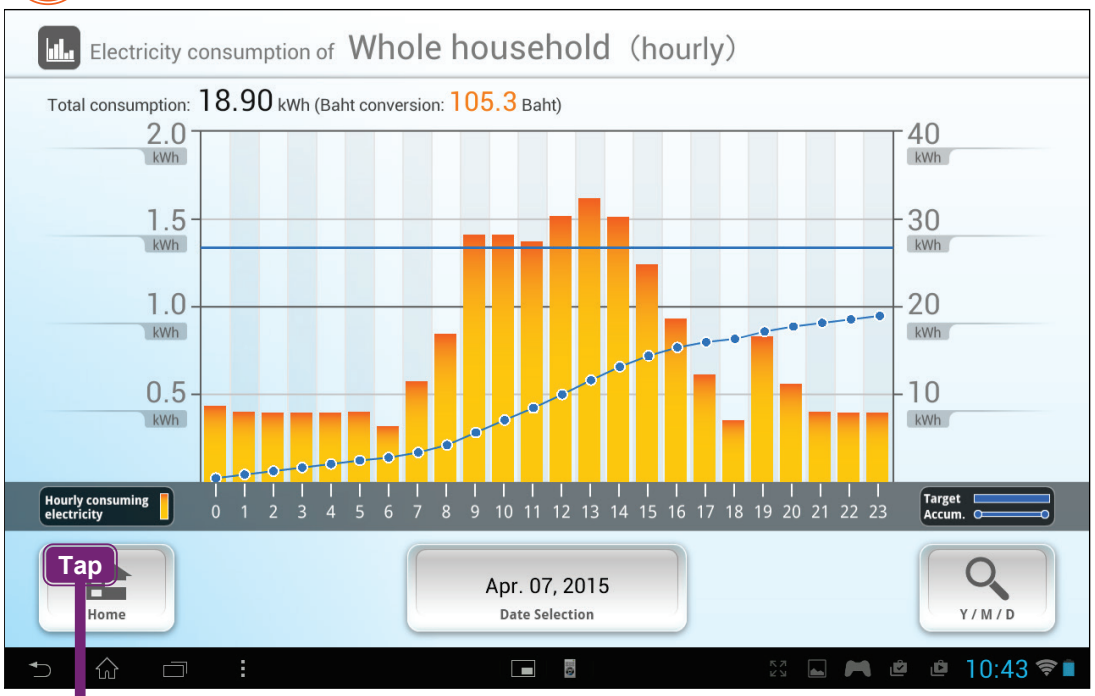


"**PPA Model**" is Power Purchase Agreement for selling electricity.
It is necessary for you to apply for the electric company to sell electricity.



4. Operating the HEMS screen display

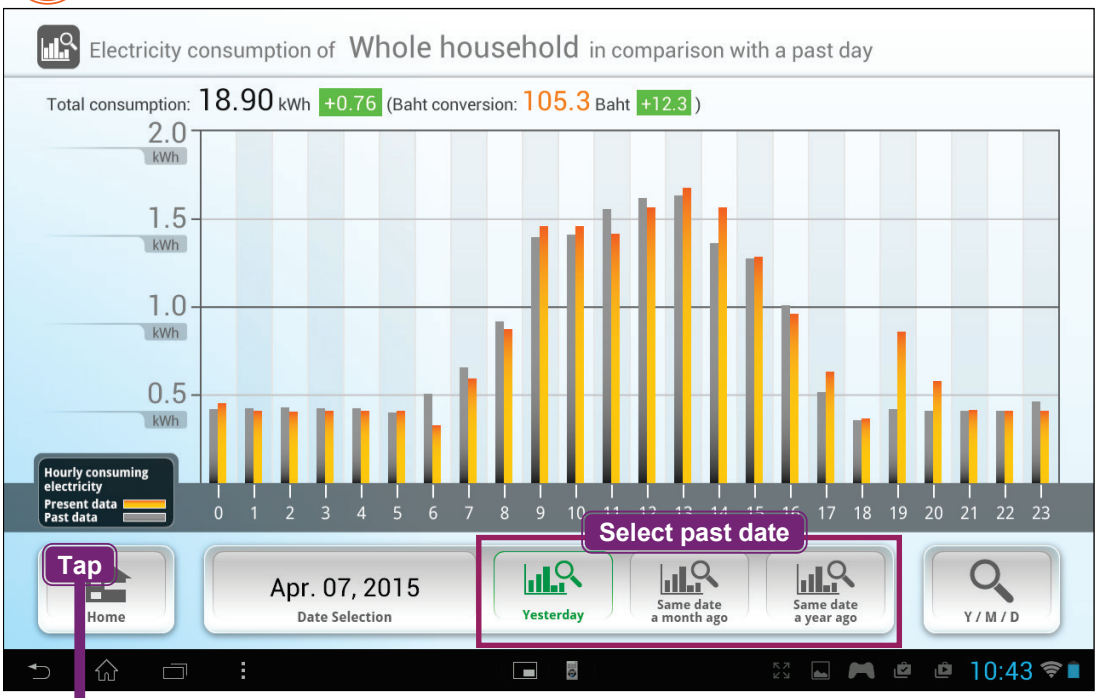
5 [Daily consumption chart]



Back to the previous screen

[Y/M/D] button
You can select a period among YEAR, MONTH or DAY.
Default period is DAY.

6 [Comparison analysis]


Electricity consumption of Whole household in comparison with a past day
Total consumption: 18.90 kWh +0.76 (Baht conversion: 105.3 Baht +12.3)
2.0 kWh
1.5 kWh
1.0 kWh
0.5 kWh
Hourly consuming electricity
Present data
Past data
0 1 2 3 4 5 6 7 8 9 10 17 18 19 20 21 22 23
Select past date
Tap
Home
Apr. 07, 2015
Date Selection
Yesterday
Same date a month ago
Same date a year ago
Y / M / D
10:43

Back to the previous screen

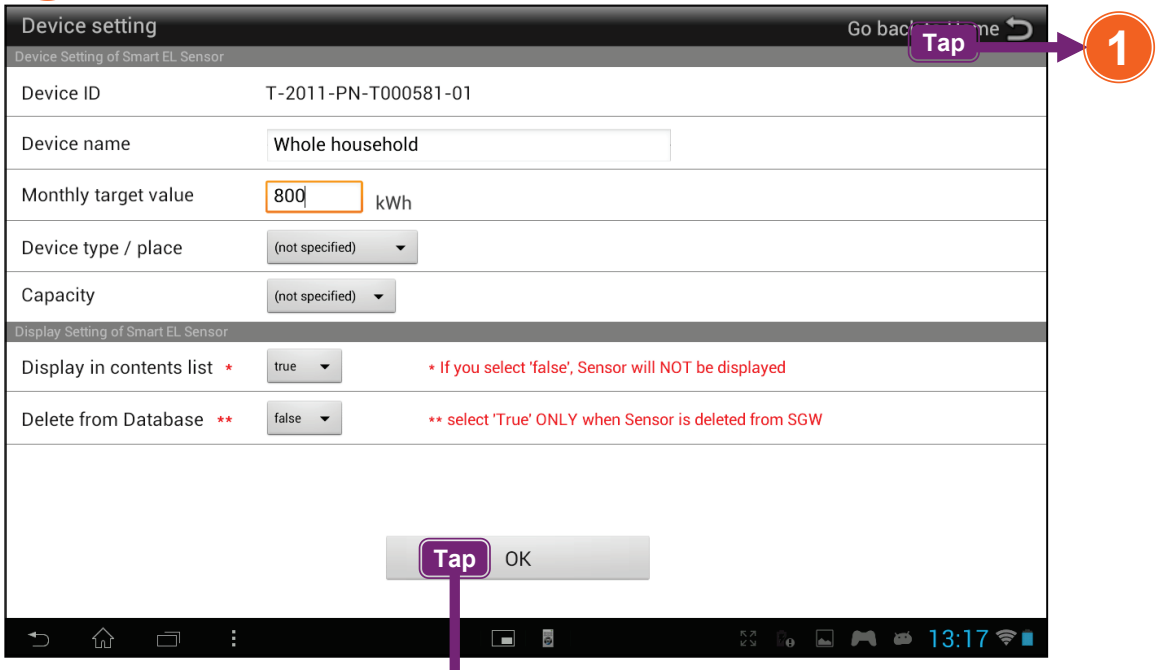
[Y/M/D] button
You can select a period among YEAR, MONTH or DAY.
Default period is DAY.

5. Switching the HEMS screen display

<< Display total consumption and monthly target consumption >>

To display total consumption and monthly target consumption on the graph screen, you can set the monthly target value on the "Device setting" screen.

7 [Device setting]



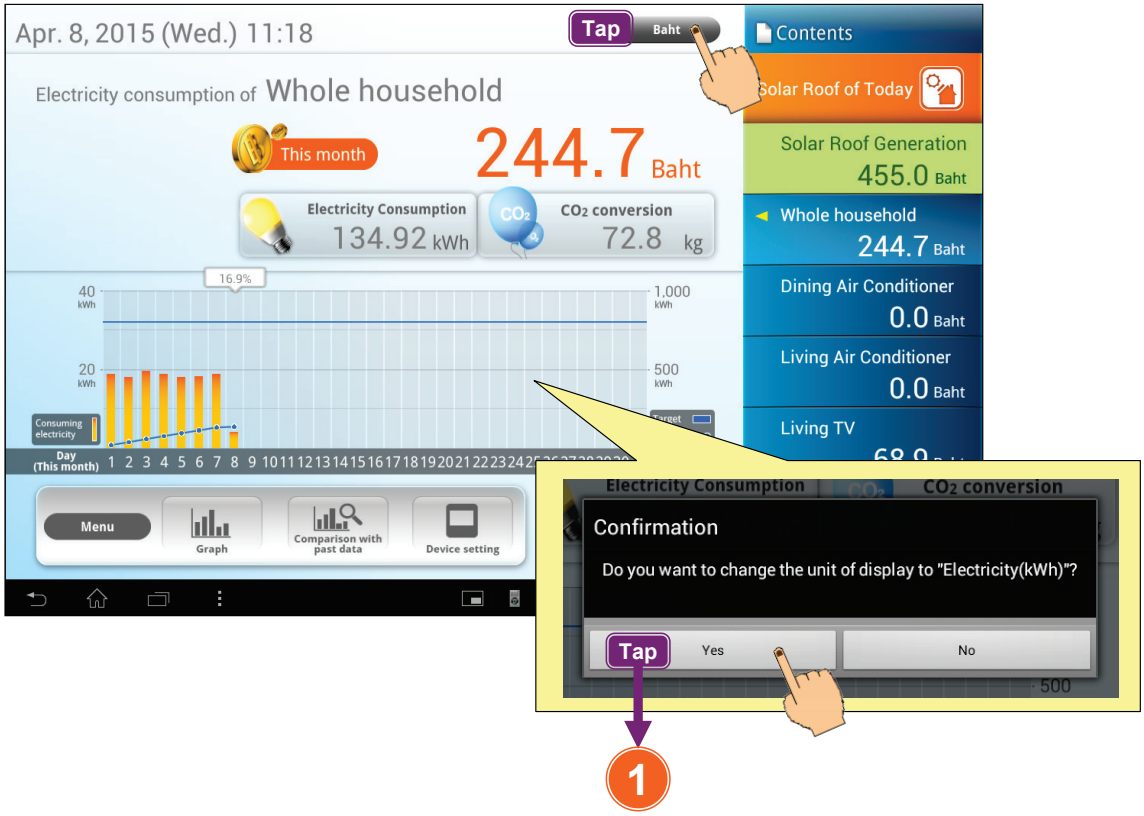
Monthly target value

Input your monthly target consumption for saving electricity.

5. Switching the HEMS screen display

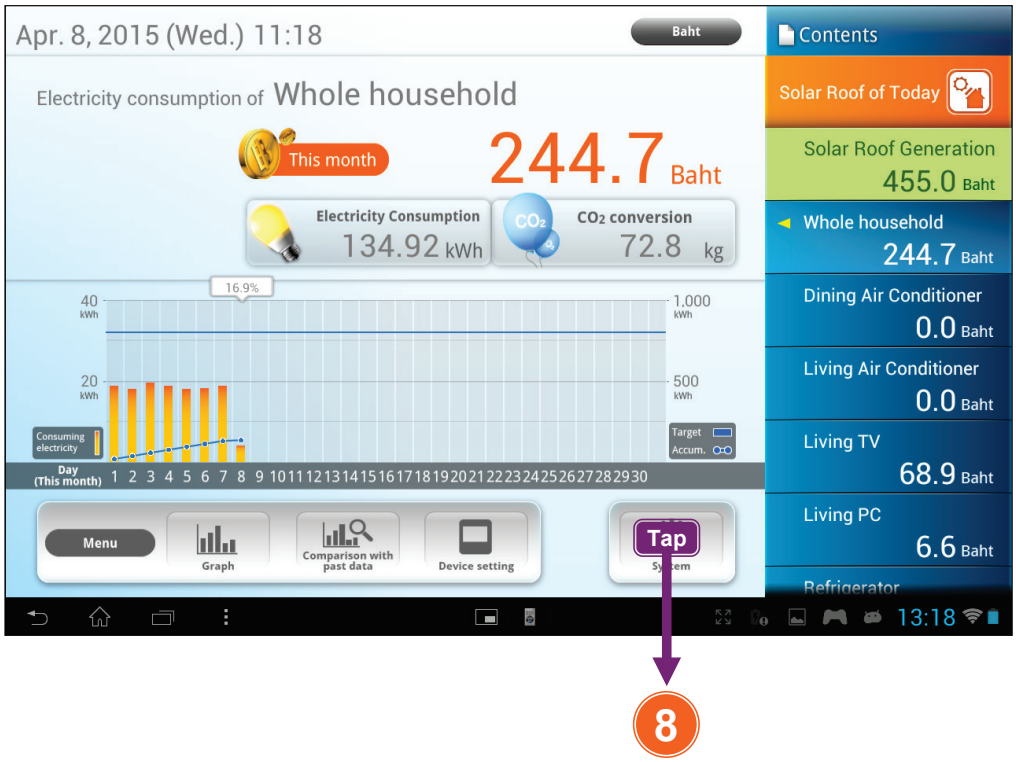
<< Display generation and consumption by electricity unit (kWh) >>

To display generation and consumption by electricity unit (kWh), you can tap the unit button on the top of home screen.

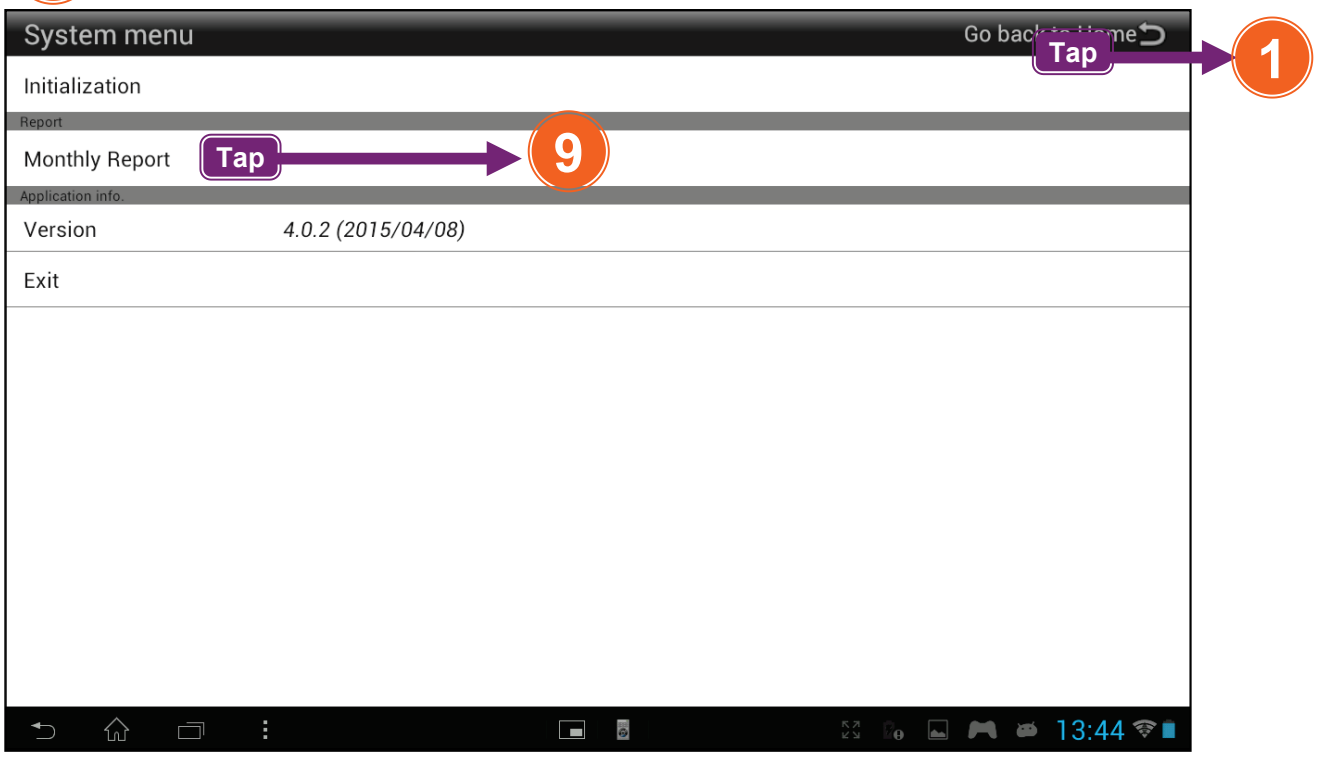


6. Displaying the HEMS report

To display the HEMS report, you tap the "System" button on the home screen and select "Monthly report" on the "System menu" screen.

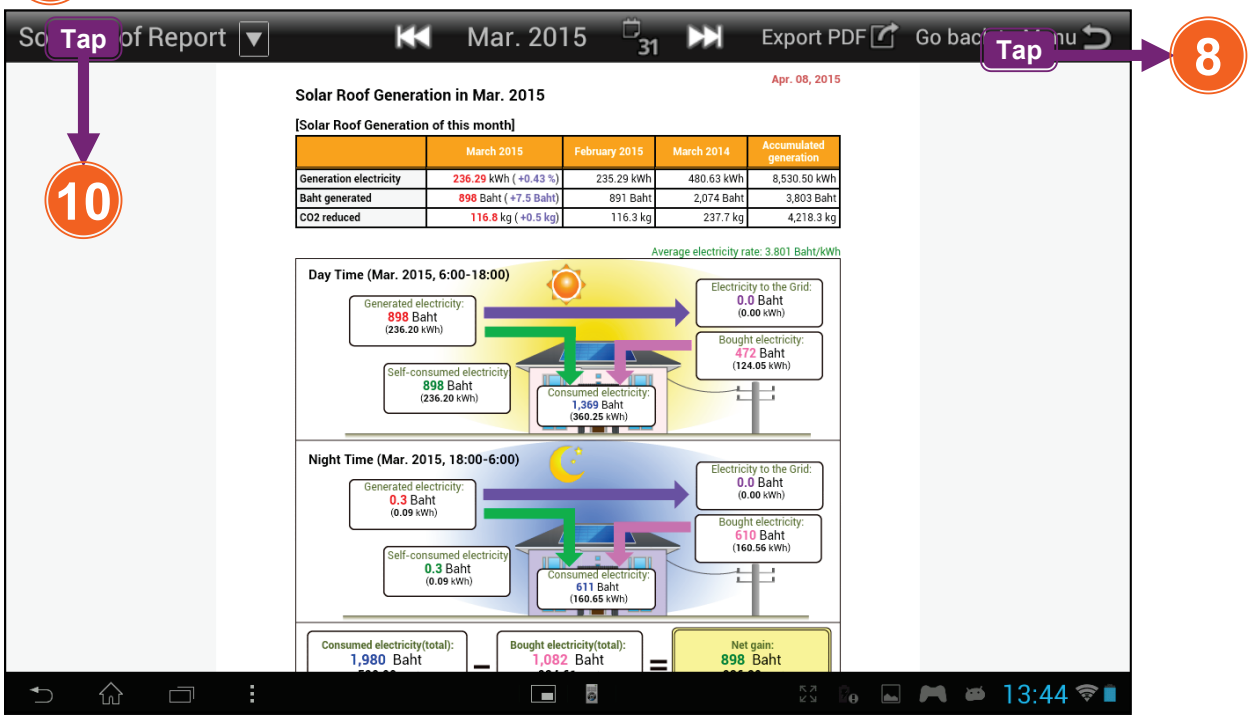


8 [System menu]

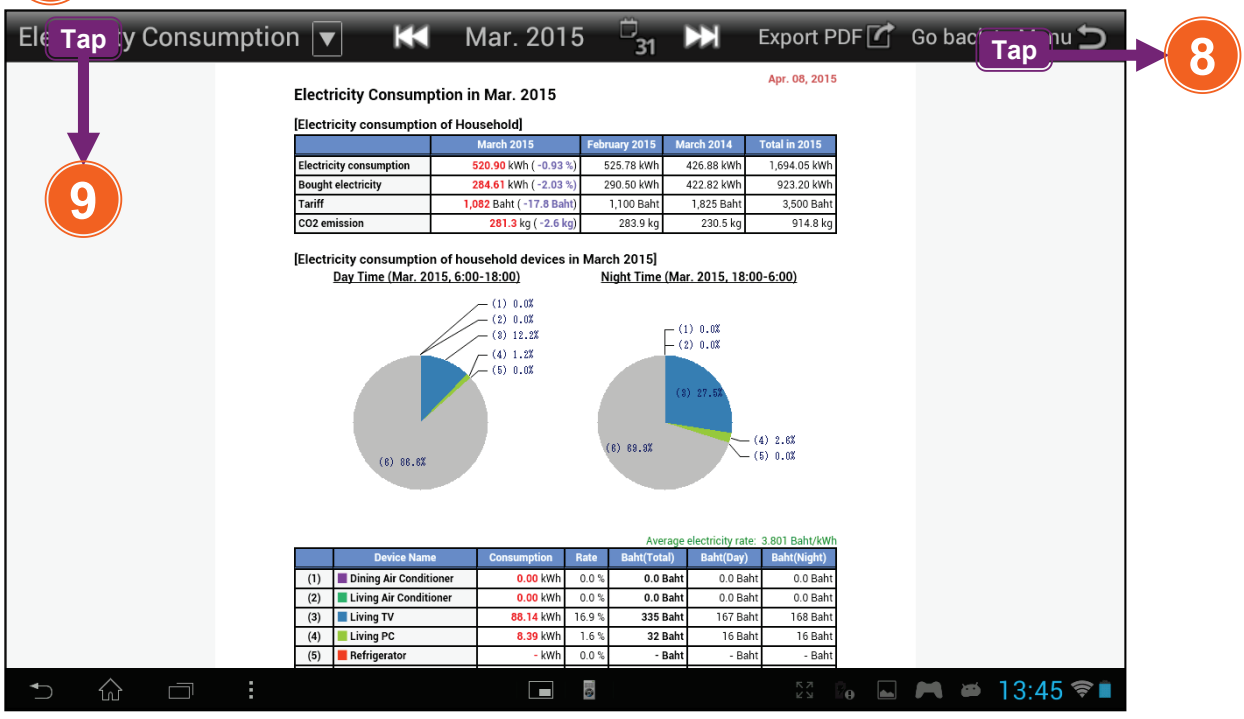


6. Displaying the HEMS report

9 [HEMS report-1] for Solar Roof Generation



10 [HEMS report-2] for Electricity Consumption

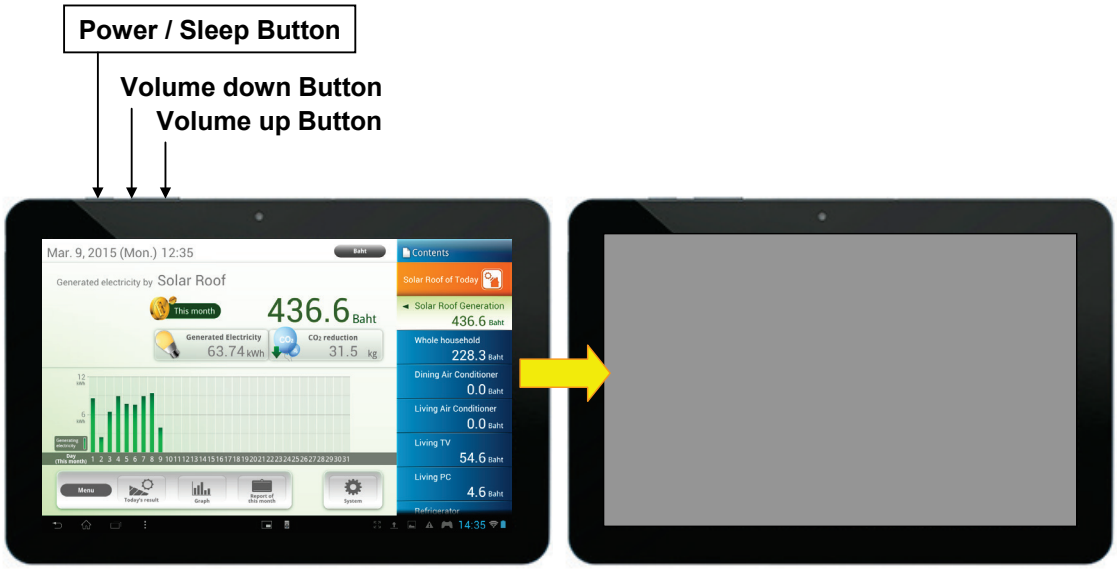


7. Sleeping the screen display

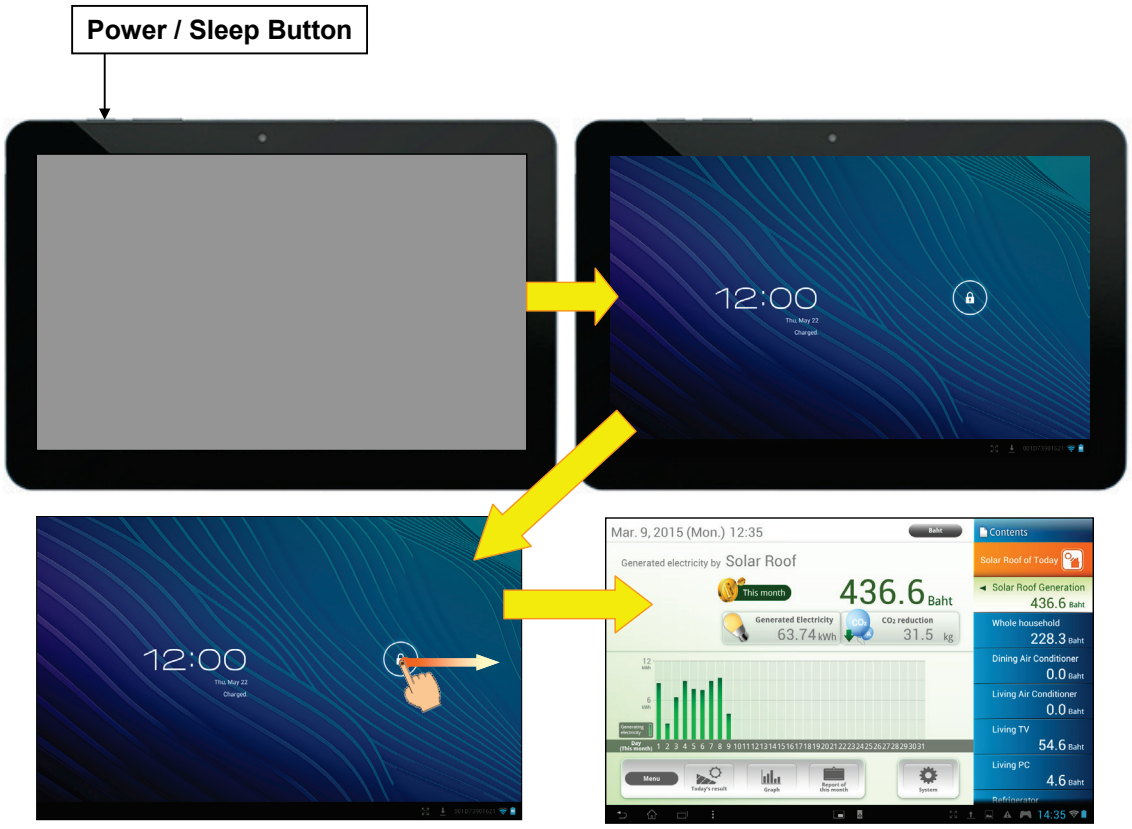
** This section is for the tablet which is supported by ENEGATE.
If not, please confirm the user's manual of your tablet.

Procedure

[1] Press the Power/Sleep Button.



[2] To release, press the Power/Sleep Button and swipe the key mark.



8. Turning off your tablet

** This section is for the tablet which is supported by ENEGATE.
If not, please confirm the user's manual of your tablet.

Procedure

[1] Tap Home Button on the tablet screen. The Home Screen will be appeared.

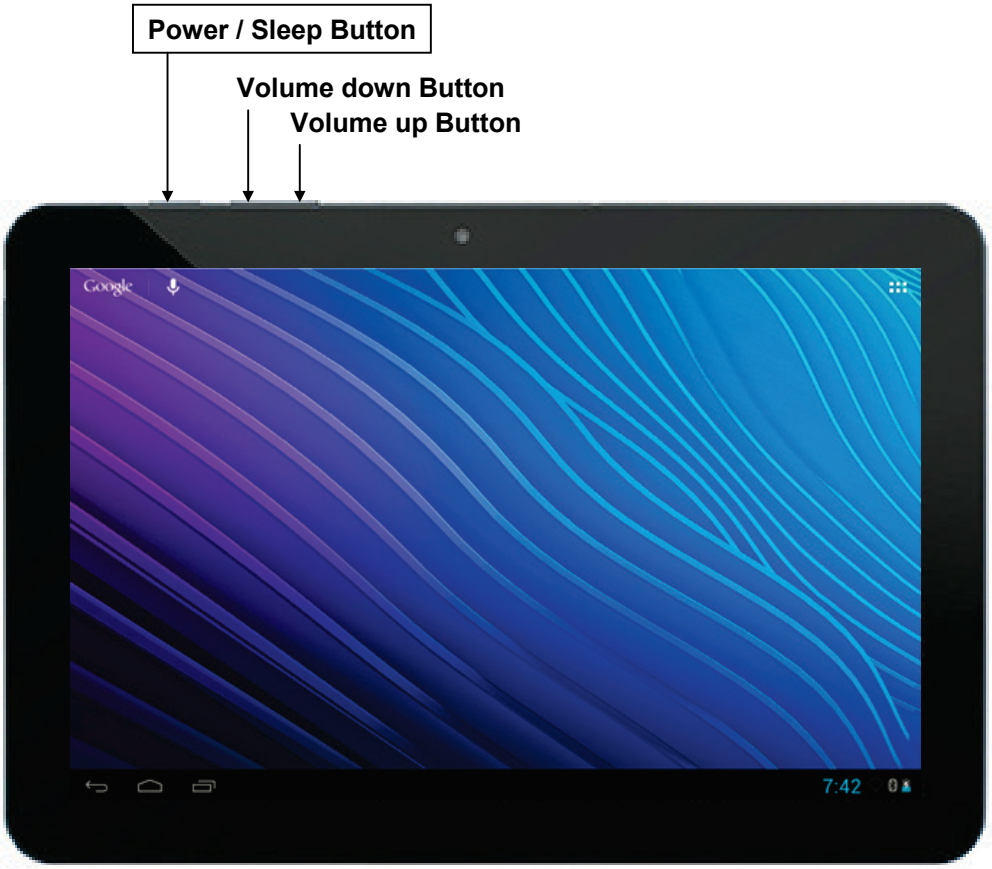
[2] Tap Task Button of the Home Screen.

[Home Screen]

8. Turning off your tablet

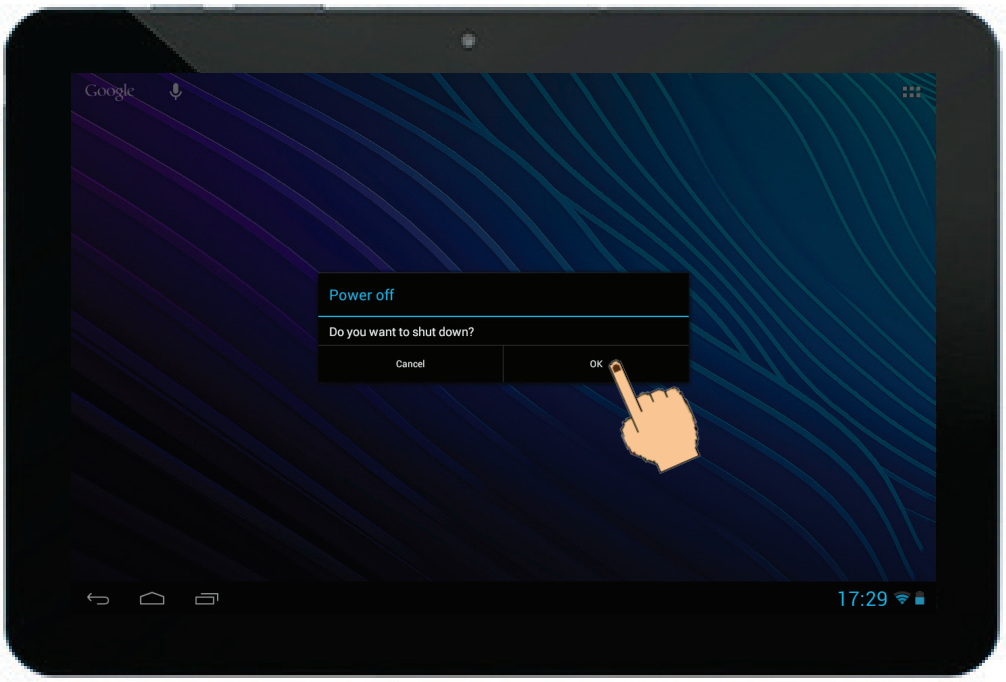
[3] Swipe the HEMS icon as below.

[4] Press and hold the Power / Sleep Button until the power off message appears.



8. Turning off your tablet

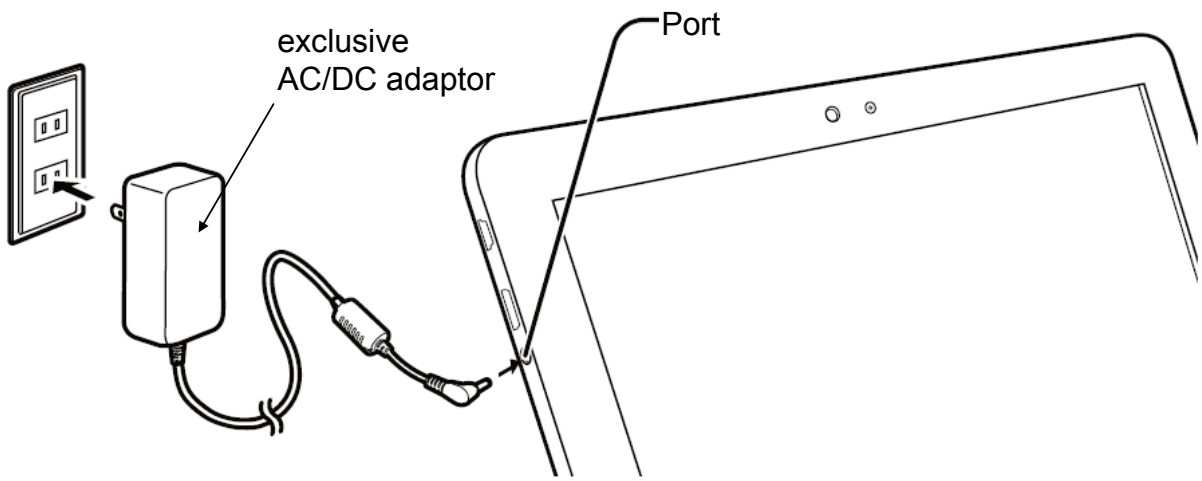
[5] Tap OK to turn off.



Q1. The tablet cannot be turned on

A1. Fill the battery of your tablet for more than 10 minutes as below.

Please use ONLY the AC/DC adaptor packed with your tablet.



Q2. The Home Screen appears when operating HEMS screen.

[Home Screen]

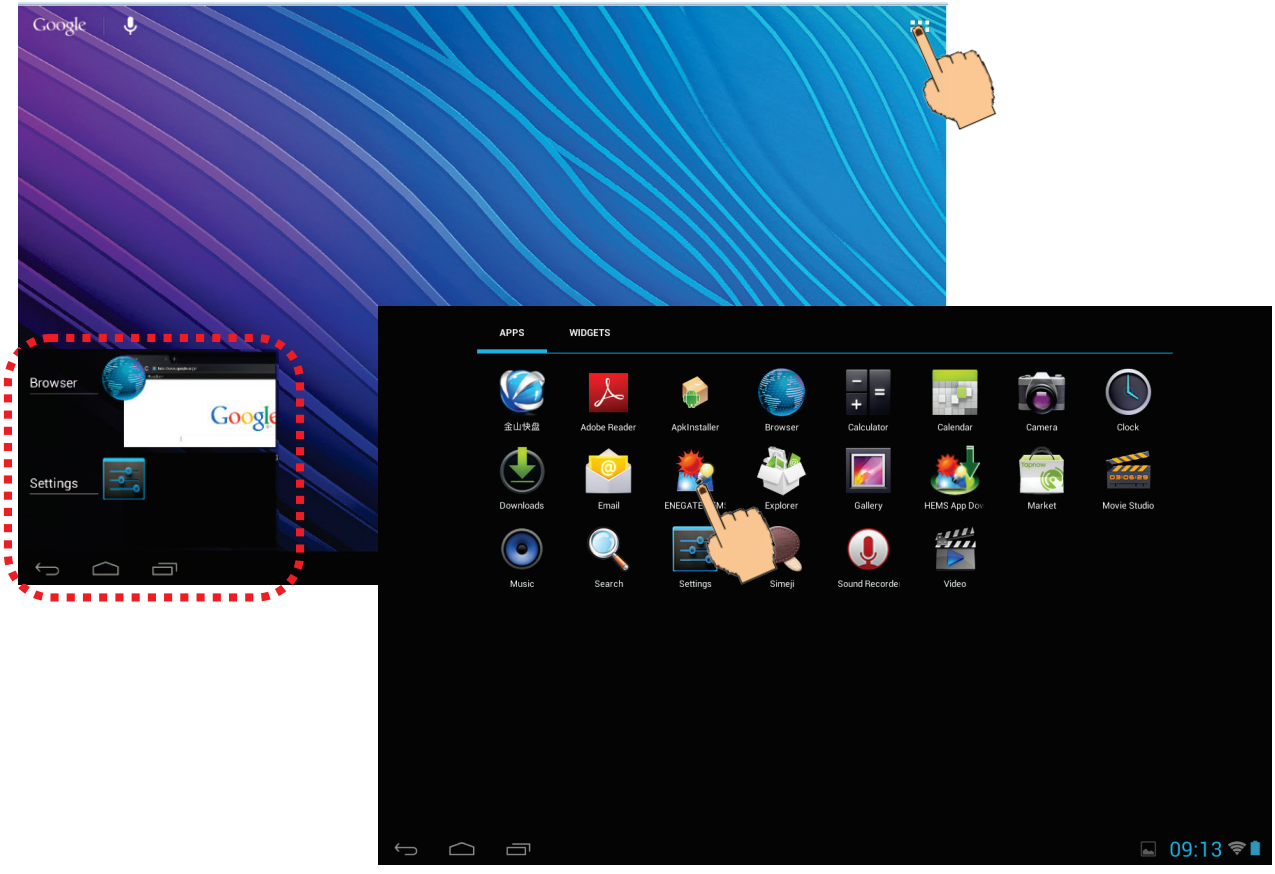
A2.

[1] Tap Task Button as below.

Q2. The Home Screen appears when operating HEMS screen.

[2] Tap the HEMS icon as below.

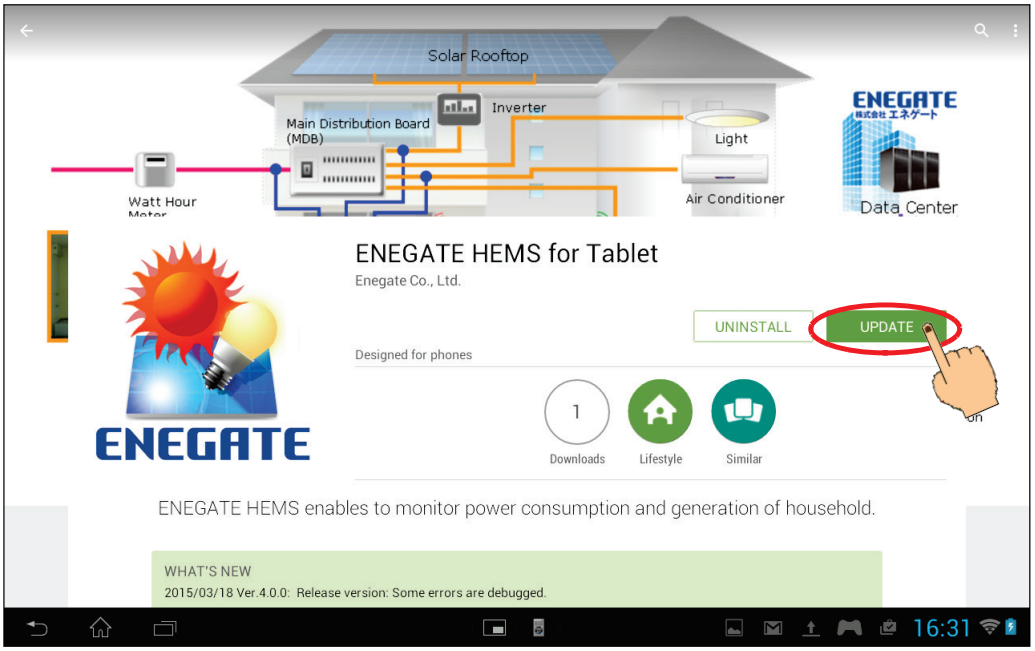
[3] If HEMS icon is not appeared, re-start HEMS as written in page 5 [2].



Q3. Updating the latest version of ENEGATE HEMS app.

A3-1.

If tablet is supported by Google play, you could download and install HEMS app from Google Play.



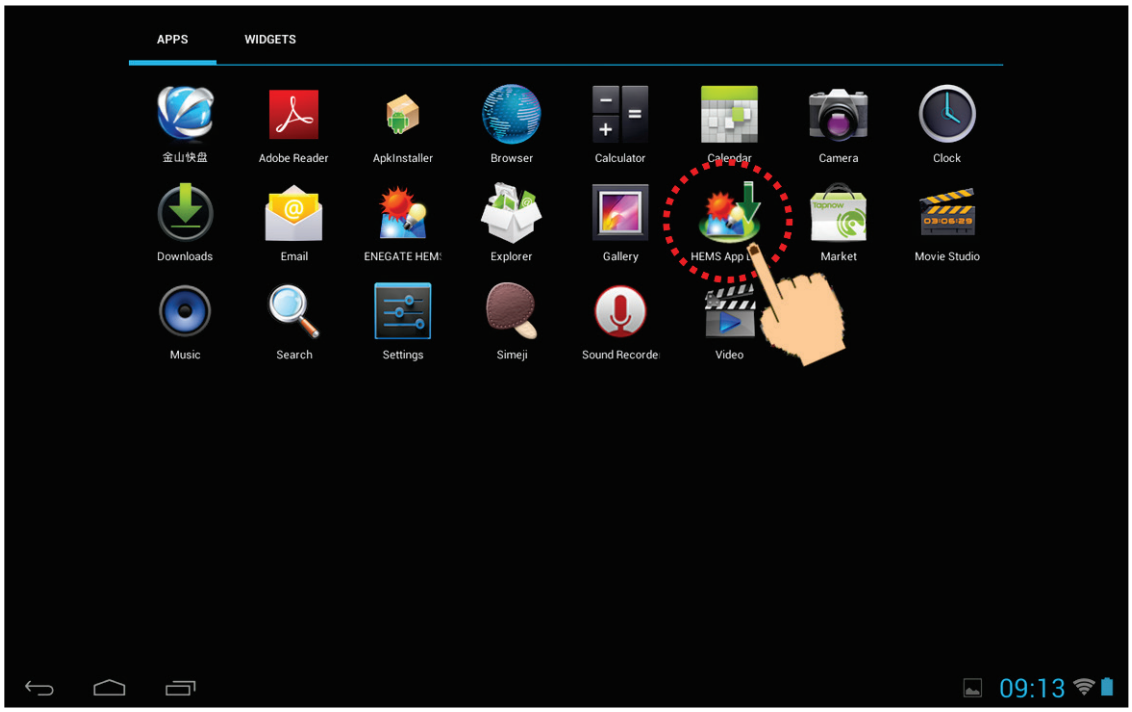
A3-2.

If tablet is not supported by Google play, you could download the latest HEMS app from ENEGATE server.

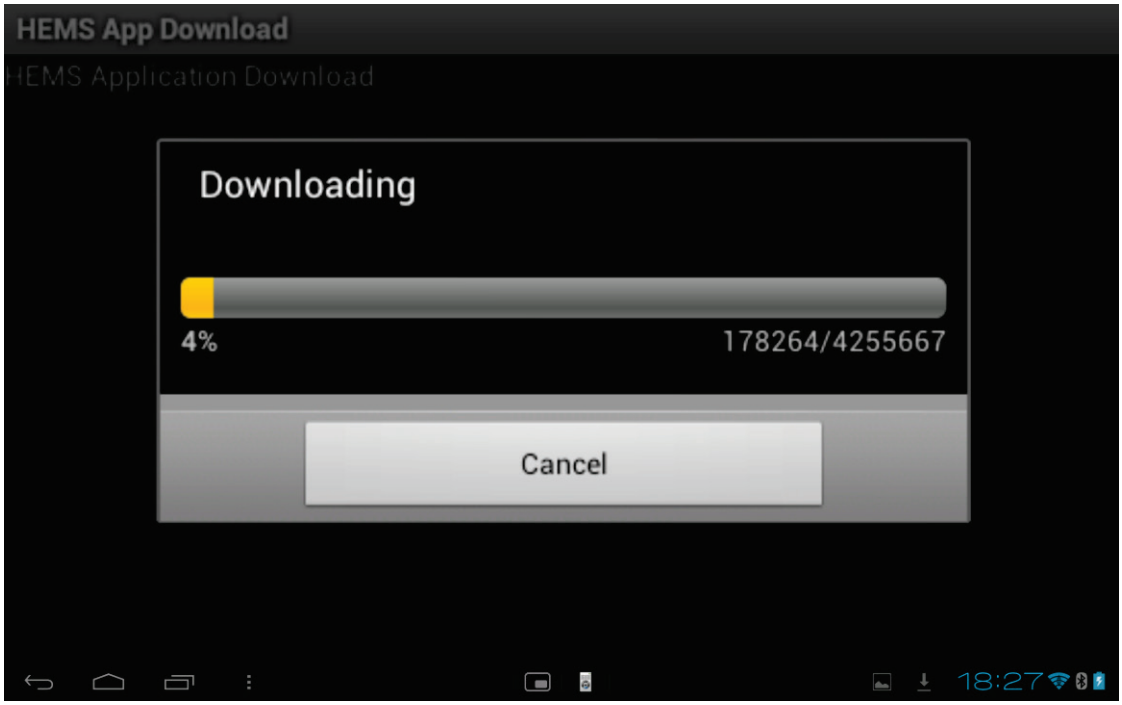
[1] Tap the 'App Drawer' icon on Home screen.

Q3. Updating the latest version of ENEGATE HEMS app.

[2] Tap ‘HEMS App Download’.

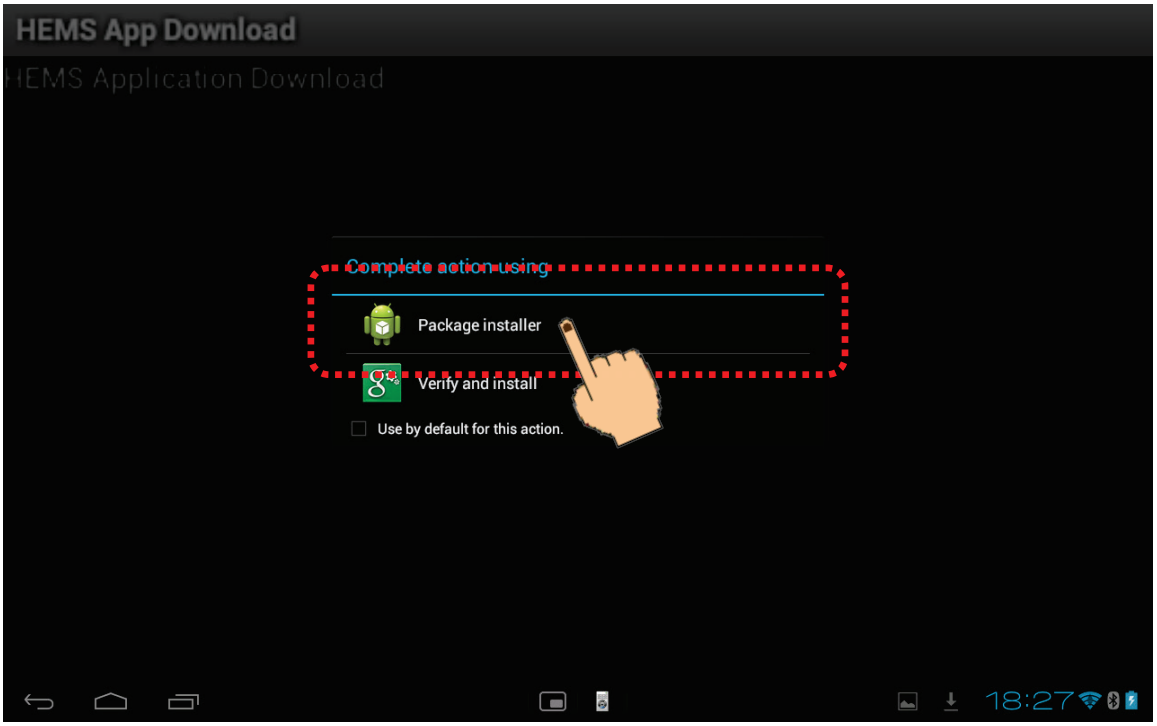


[3] Downloading.

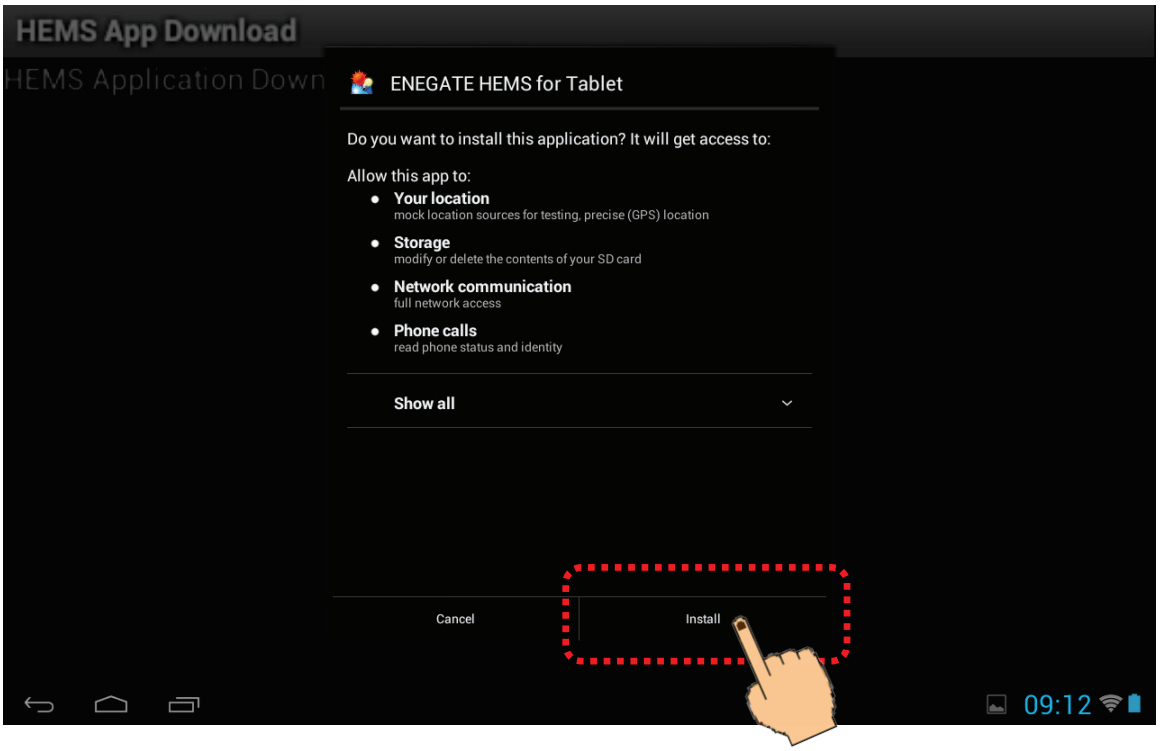


Q3. Updating the latest version of ENEGATE HEMS app.

[4] After the downloading is complete, tap ‘Package installer’ as shown below.

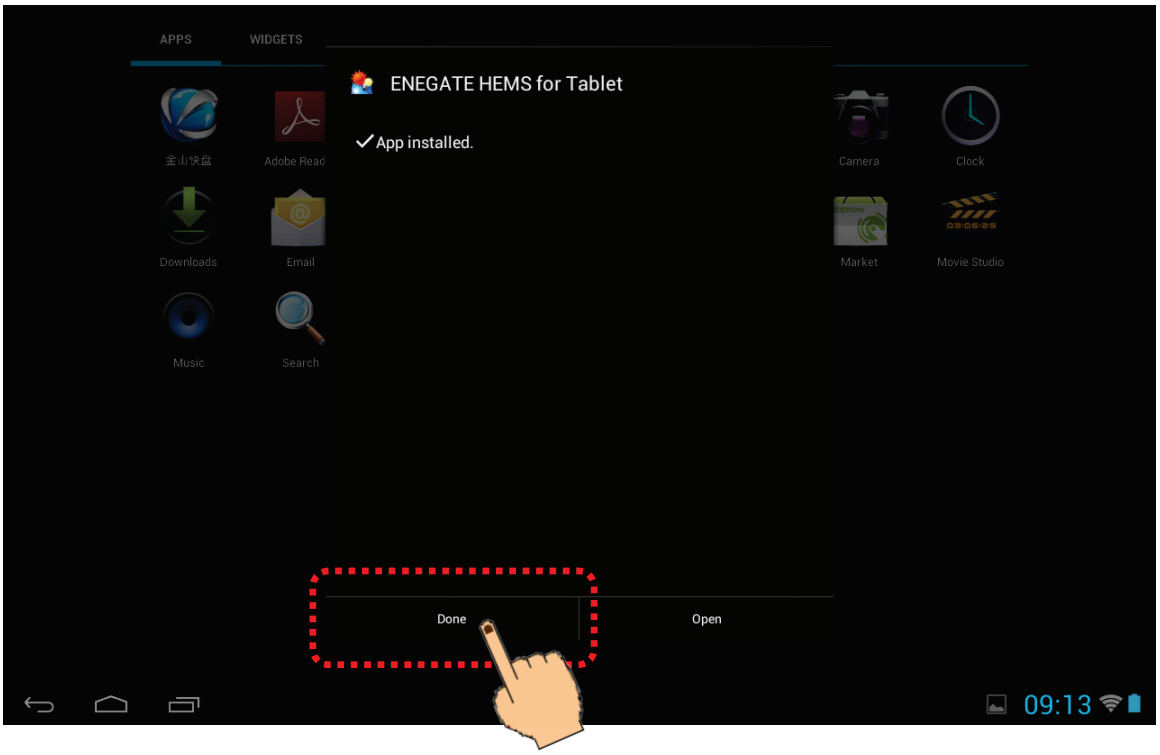


[5] Tap the ‘Install’ button as shown below.

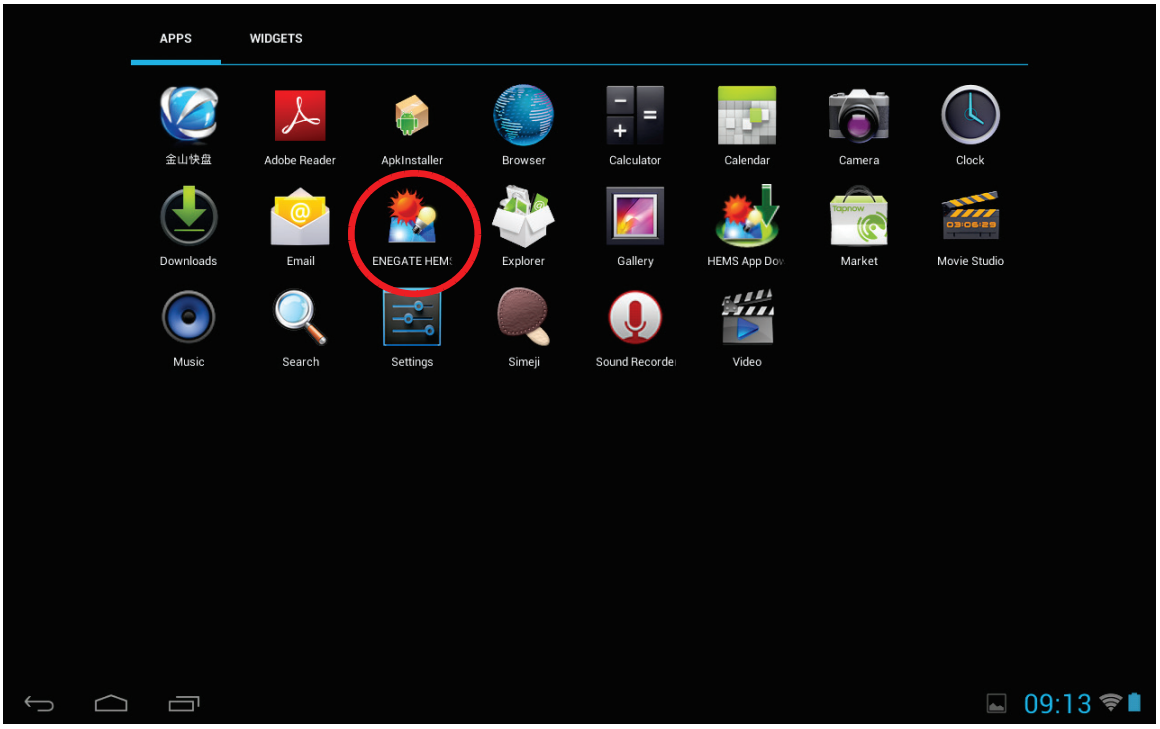


Q3. Updating the latest version of ENEGATE HEMS app.

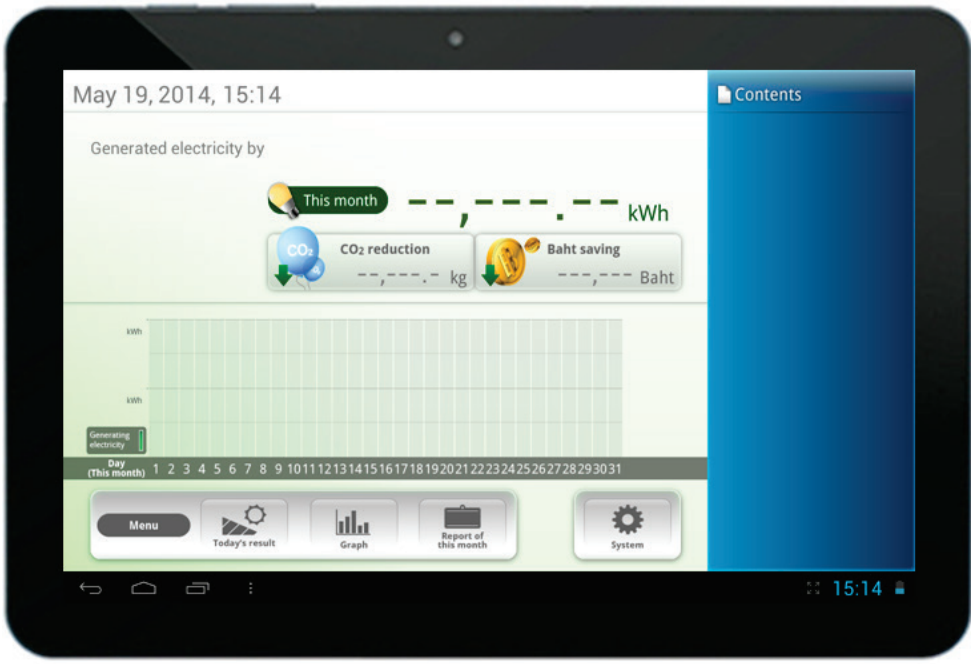
[6] As shown below, the installation is complete.



[7] As shown below, the installation of 'ENEGATE HEMS' is complete.



Q4. HEMS numerical data displayed as - -,- - -.

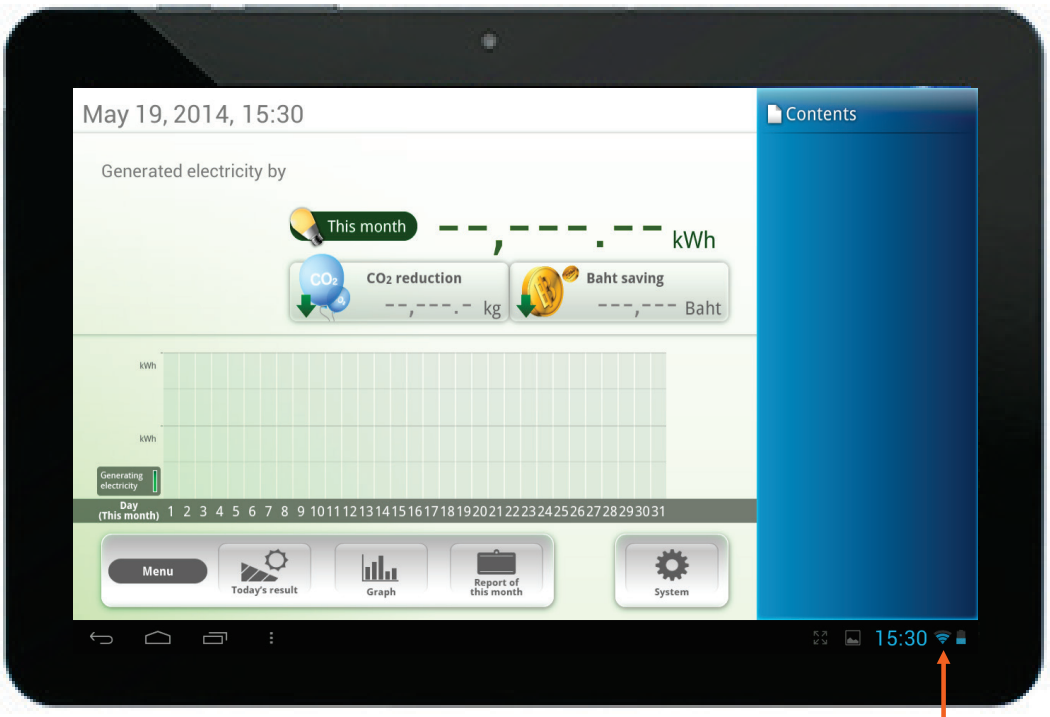


A4. WiFi radio wave does not reach your tablet.

- Turn on the Wifi router.
- Use your tablet within the range of WiFi radio wave.

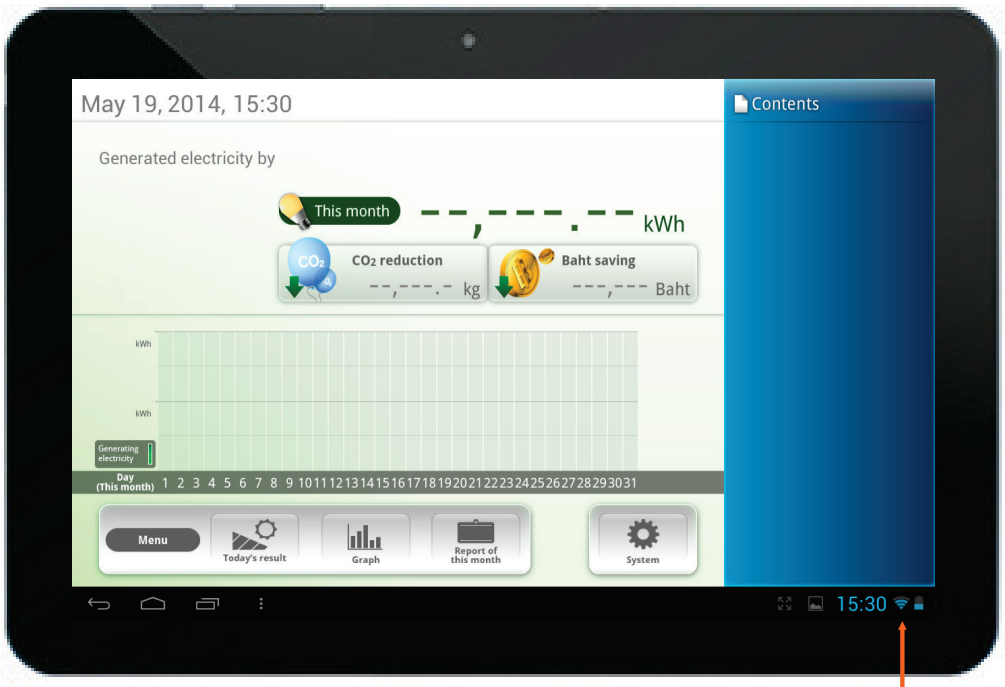
Q4. HEMS numerical data displayed as “- -,- - -“.

- WiFi radio wave reaches your tablet as below.



WiFi connection and radio level

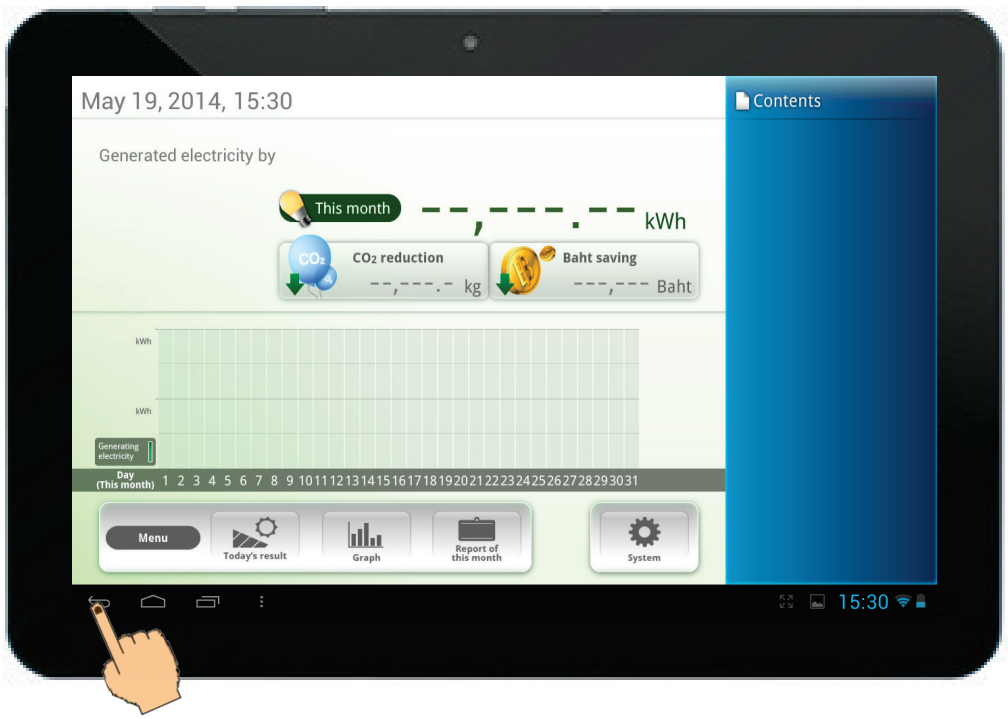
Q5. HEMS numerical data displayed as - despite the WiFi radio wave reaches your tablet.



WiFi connection and radio level

A5.

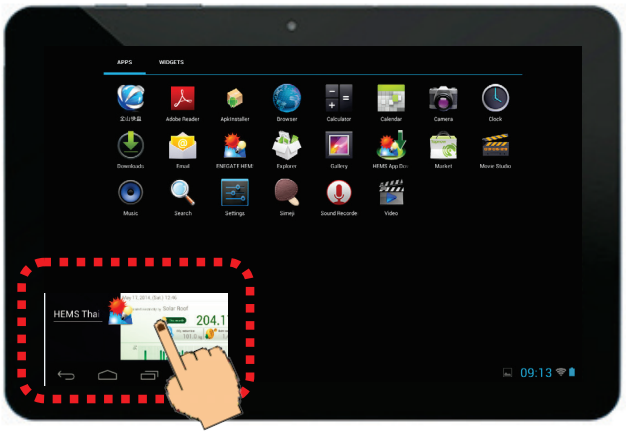
[1] Tap Back Button.

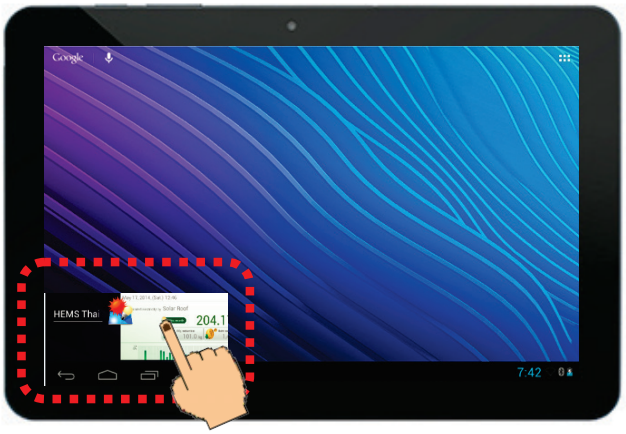


Q5. HEMS numerical data displayed as - despite the WiFi radio wave reaches your tablet.

[2] Tap Task Button.

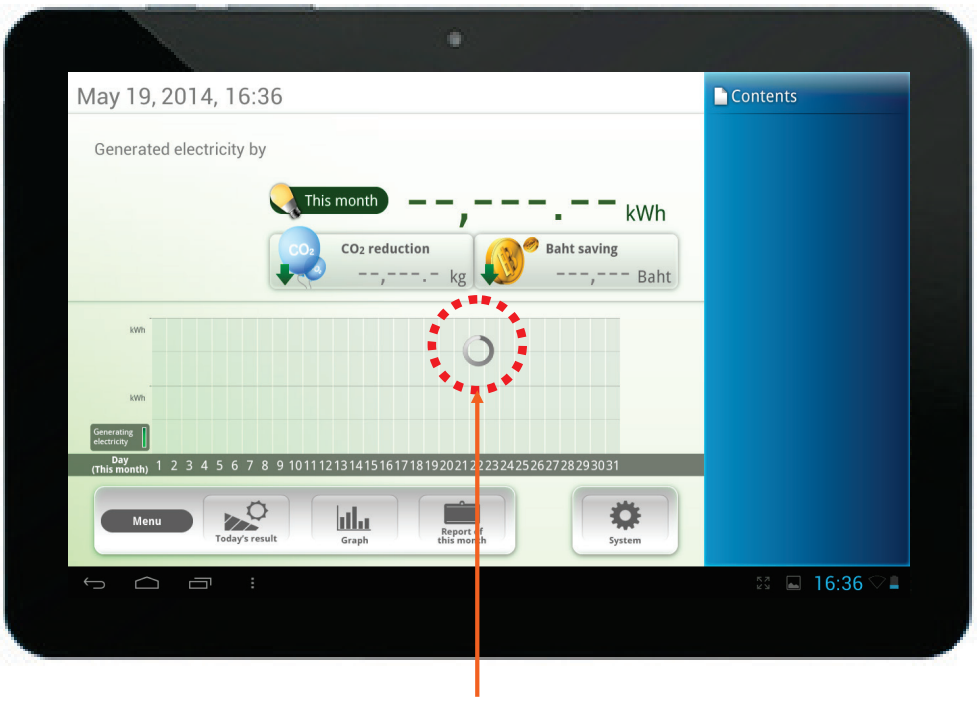
[3] Tap the HEMS icon as below.





Q5. HEMS numerical data displayed as - despite the WiFi radio wave reaches your tablet.

[4] HEMS screen reload takes 5 to 10 seconds.

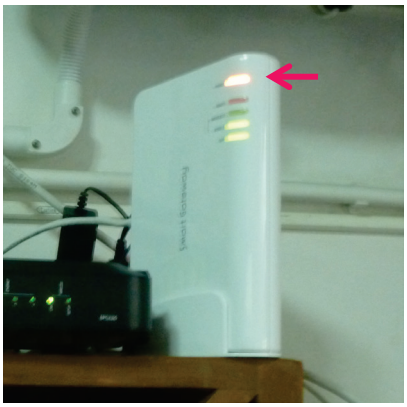


Indicator of reloading data

Q6. All the HEMS numerical data shows "- -.- - kW" or " kW".

A6. The data measured by HEMS sensors might not have reached the server.

[1] Confirm the SGW is in operation as the picture below shows.



- In case the SGW is not operated when correctly connected to the outlet via AC adaptor, plug off and reconnect the SGW.

[2] Confirm your internet router is in operational status.

Manufacturer

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